



Cisco ASR 5000 Series inPilot Installation and Administration Guide

Version 10.0

Last Updated June 30, 2010

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Text Part Number: OL-22993-01

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About this Guide

This document pertains to features and functionality that run on and/or that are related to the Cisco® ASR 5000 Chassis, formerly the Starent Networks ST40.

Conventions Used

The following tables describe the conventions used throughout this documentation.

lcon	Notice Type	Description
	Information Note	Provides information about important features or instructions.
	Caution	Alerts you of potential damage to a program, device, or system.
	Warning	Alerts you of potential personal injury or fatality. May also alert you of potential electrical hazards.
A	Electro-Static Discharge (ESD)	Alerts you to take proper grounding precautions before handling a product.

Typeface Conventions	Description
Text represented as a screen display	This typeface represents displays that appear on your terminal screen, for example: Login:
Text represented as commands	This typeface represents commands that you enter, for example: show ip access-list This document always gives the full form of a command in lowercase letters. Commands are not case sensitive.
Text represented as a command variable	This typeface represents a variable that is part of a command, for example: show card <i>slot_number</i> slot_number is a variable representing the desired chassis slot number.
Text represented as menu or sub- menu names	This typeface represents menus and sub-menus that you access within a software application, for example: Click the File menu, then click New

Command Syntax Conventions	Description
{ keyword or	Required keywords and variables are surrounded by grouped brackets.
variable }	Required keywords and variables are those components that are required to be entered as part of the command syntax.

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Command Syntax Conventions	Description
[keyword or variable]	Optional keywords or variables, or those that a user may or may not choose to use, are surrounded by square brackets.
	With some commands there may be a group of variables from which the user chooses one. These are called alternative variables and are documented by separating each variable with a vertical bar (also known as a pipe filter). Pipe filters can be used in conjunction with required or optional keywords or variables. For example: { nonce timestamp } OR [count number_of_packets size number_of_bytes]

Contacting Customer Support

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For New Customers: Refer to the support area of http://www.cisco.com for up-to-date product documentation or to submit a service request. A valid username and password is required to this site. Please contact your local sales or service representative for additional information.

For Existing Customers with support contracts through Starent Networks: Refer to the support area of https://support.starentnetworks.com/ for up-to-date product documentation or to submit a service request. A valid username and password is required to this site. Please contact your local sales or service representative for additional information.

IMPORTANT: For warranty and repair information, please be sure to include the Return Material Authorization (RMA) tracking number on the outside of the package.

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Chapter 1 inPilot Overview

This chapter provides an overview of the inPilot application.

This chapter describes the following topics:

- Introduction
- inPilot Architecture
- inPilot Deployment
- System Requirements

Introduction

The inPilot is a Web-based application providing a unified reporting interface for diverse data from Cisco Systems Inline service and storage applications.

The inPilot application enables:

• Generating customized reports and comparison charts.

This release of inPilot only supports generating HTML-based historical canned reports displaying data in graphical—graphs/charts—and tabular formats. Reports for ad-hoc periods are not supported. For information on the report types supported, see the Report Types section.

- Analyzing the reporting data and enabling the operator to get a full understanding of the performance of the network, enabling operators to optimally configure and plan their network.
- Supporting distributed installation which allows to view reports from multiple sites.
- Rich visualization (Graphs/tabular form).
- Exporting reports in Microsoft Excel and Adobe PDF formats.

The inPilot application provides comprehensive and consistent set of statistics and customized reports, and report scheduling and distribution from chassis / in-line service product. For example, a subscriber's Quality of Experience, top 10 users, and so on.

The inPilot application provides reporting capability for Content Filtering Reporting Engine (CF-RE) data, bulk statistics, EDRs data from in-line service and storage applications. The inPilot application facilitates and enhances the operators' ability to simply and easily determine the health and usage of the network.

IMPORTANT: The inPilot receives the data in terms of EDRs which are generated based on the flow. As the EDRs are flow-based and the bulkstats is a real-time data, the volumes reported in the EDR are different from the volumes reported by bulkstats.

For more information on using the inPilot application to generate reports, see the inPilot Online Help documentation.

Report Types

The inPilot application supports generation of canned statistical reports that can be used to analyze network performance, and decide the policies for users, and identify the customer trends, network usage patterns, network categorization, etc. The reports can be per gateway, or multiple gateways (region), or for the overall network. The reports can be generated for the usage of different entities such as gateway, content type, etc on an hourly, daily, weekly, or monthly basis.

The typical canned reports that are supported for the inPilot application include:

- Historical summary reports (Daily/Weekly/Monthly)
 - Half-hourly Reports: Usage reporting for the specified time period
 - Daily Reports: Usage reporting for the past 24-hour period (midnight through midnight)
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- Weekly Reports: Usage reporting for the past seven day period (Monday through Sunday)
- Monthly Reports: Usage reporting for the past 30-day period (1st day of the month through the last day of the month)
- Average Reports
- Top "N" Reports
- Statistical and analytical reports
- Bulkstats and KPI reports

The inPilot application provides the following reports:

- Traffic Analysis Report: The Traffic Analysis report provides the total usage traffic (including uplink and downlink traffic) details for the following application categories:
 - Filesharing
 - Web
 - IM
 - VOIP
 - Standard
 - Streaming
 - Tunnel
 - Gaming
 - Unclassified

The usage traffic is expressed in terms of megabytes (MB) or Megabits per second (Mbps) and percentage (%). The traffic can also be in gigabytes (GB) / kilobytes (KB) / bytes depending on the magnitude.

- Traffic Distribution Report: The Traffic Distribution report provides the summary of total traffic distribution for all the protocols application categories over a specified time period. The usage traffic is represented in GB/MB/KB/Bytes and percentage.
- Active Flow Count Report: The Active Flow Count report provides the details of traffic distribution flow count against the different application categories. This report also provides the summary of total number of flows in the EDR records.
- Unique Subscriber Hits Report: The Unique Subscriber Hits report provides an overview of the usage patterns of the entire subscriber population per protocol, for example, how many people are actually using VoIP.
- TopN versus Total Traffic Report: This report provides the summary of total usage traffic and Top N subscriber traffic for all the protocols over a specified time period. The usage traffic is represented in GB/MB/KB/Bytes and packets.
- TopN Subscribers Report: The TopN Subscribers report simply counts the number of bytes per subscriber for different time intervals. It displays the top 10/100/1000 subscribers for each hour (or just for the busy hour) and for each day/week/month/year. This report is displayed for all configured gateways.

After identifying the total amount of transferred data per subscriber, and identifying the top users, to understand the protocol and services breakdown for each subscriber, this report allows listing the different applications used by the top 10/100/1000 subscribers.

• TopN VCD Subscribers Report: The TopN VCD Subscribers report displays the top N subscribers based on their voice usage (voice duration) for Yahoo, MSN and Skype voice protocols. The summary report displays the voice summary (voice duration) for VoIP category.

- HTTP EDR based Reports: The inPilot application parses HTTP EDRs and generates the following reports based on the EDRs:
 - Uplink traffic per HTTP group / host name and HTTP content type
 - Downlink traffic per HTTP group / host name and HTTP content type
 - URL hits per HTTP group / host name and HTTP content type
 - Unique subscriber count per HTTP group / host name and HTTP content type
- Weekly Report: The weekly report provides details of the following:
 - Total traffic
 - Total traffic by category
 - VOIP Call Duration
 - Total unclassified traffic (TCP and UDP)
 - Top N subscribers
- Monthly Report: The monthly report provides the details of total traffic across the top N protocols / application categories in a month.
- DPI Report: The Deep Packet Inspection (DPI) reports are the canned statistical reports at the gateway level. You can configure the inPilot application to generate the reports for any of the available gateways.
- CF-RE Report: Content Filtering (CF) solution enables operators to filter HTTP and WAP requests from mobile subscribers based on the URLs in the requests, so that subscribers are inadvertently not exposed to universally unacceptable content and/or content inappropriate as per the subscribers preferences.

The CF-RE report provides the summary of traffic over CF categories, CF actions, and CF ratings. The CF actions that can be taken on the URL are as follows:

- allow
- discard
- redirect-url
- content-insert
- terminate-flow
- reply-code-terminate-flow

The CF ratings can be one of the following:

- dynamic
- static
- blacklisted

The CF-RE report also provides the list of top N subscribers and URLs based on their unique subscriber's hit count and total usage.

- Bulkstat Report: The Bulkstat report provides details of the processed bulk statistics from any application (PDSN, GGSN, SGSN, and so only) on the managed nodes in a timely manner. You can configure the inPilot application to generate the reports for any of the available gateways.
- KPI Report: The KPI report provides details of the KPIs for each selected schema. You can configure the inPilot application to generate the reports for any of the available gateways.

IMPORTANT: Please note that the subscriber's private data like Mobile Station Integrated Services Digital Network (MSISDN) will appear encrypted in all the subscribers reporting. Users with administrative privilege can only decrypt the MSISDNs using a shell script utility. For information on how to use this script, refer to the *inPilot Administration and Management* chapter in this guide.

Exporting Reports to Other File Formats

The inPilot application supports exporting reports to the following file formats:

- Microsoft Excel format: To export a report to Microsoft Excel format, use the *get_excel_report* script. For more information about this script, refer to the *Generating Reports in Excel Format* section in the *inPilot Administration and Management* chapter of this guide.
- PDF format: To export a report to PDF format, in the **HOME** and **DPI REPORTS** tabs of the inPilot GUI, click the **Export to PDF** button. The PDF file is displayed in a new window and can be saved for future reference.

If there is no data available for a report, the Export to PDF button is disabled.

inPilot Architecture

The inPilot solution consists of two components — a server and a GUI client. The following figure shows a typical organization of the inPilot solution.





The server components include:

- DB Server: This is the standard PostGreSQL 8.3 database server. This is started at the time of application startup.
- Quartz Scheduling Engine: This is the core of the inPilot reporting solution. It is used to schedule different tasks such as parsing of incoming data files (bulkstat, EDR, etc.), trigger various canned reports on a periodic basis, cleaning up of stored outdated data and files, and so on.

• Generators: These are python based scripts that are used for parsing various CSV files. The files are parsed to an extent where generated files (or data in database) themselves represent meaningful data. This is a very powerful concept introduced for faster processing of information.

The generators archive the files once they are parsed. In archival, the files are zipped and placed in the configured location.

• Loggers: The inPilot application uses various loggers so that application logs with various severities are made available for debugging purpose.

Some of the components at the client side include Django and Mod_python.

Distributed Architecture of inPilot

inPilot supports the distributed model to allow the deployment which enables network wide view or work load balancing. Newly introduced component, Remote Data Processor (RDP), plays the role of pre-processing the input files from gateways. One or more RDPs, installed separately on remote machines can be registered to a master inPilot and one RDP can process files from one or more gateways.

RDP periodically sends the intermediate data to registered master inPilot. The role of inPilot in such deployments is mostly for report generation, report viewing, RDP management and optionally data processing.

IMPORTANT: RDP installation and registration is required only for network wide deployments. For standalone installation no RDP is required. For information on how to install the RDP, refer to the *Managing inPilot Installation* chapter of this guide.

IMPORTANT: RDP and inPilot must be installed, upgraded, and uninstalled separately.

IMPORTANT: Before registering RDP with the master inPilot, ensure that the RDP is installed and running.

IMPORTANT: The RDP management like configuration and removal is possible from inPilot GUI only. For information on managing the RDPs, refer to the *inPilot Online Help*.

IMPORTANT: For Bulkstat, there is no support for distributed model and all the bulkstat input files will be parsed by master inPilot only.

The following figure illustrates the distributed architecture of inPilot.





How RDP works with inPilot

This section describes how the RDP works with the inPilot application.

The RDP parses the raw data or EDR files from one or more GGSNs and populates the database for required reports. The RDP pre-processes the data and then periodically forwards them to the master inPilot through SFTP for report generation.

IMPORTANT: If the distributed model of inPilot is used, then the SFTP user name and password should be the same as the inPilot Administrator user's login name and password provided during installation. For information on configuring SFTP details, see the *inPilot Online Help* documentation.

Each of the RDP and inPilot will be assigned a unique ID during installation and will be used for identification of each RDP along with its gateway and data.



Figure 3. inPilot with RDPs in Distributed Model

Each of the registered RDPs will form a new region. RDP region can be a child of the root of the inPilot (NOC) or can be the child of another region. However, all the gateways associated with a RDP will always be the children of RDP region.



inPilot Deployment

The following figure illustrates how the inPilot reporting server interacts with the gateways and generates the reports.



Figure 4. End-to-end Component Mapping

The inPilot reporting server collects the EDRs, and bulkstats from the gateways and processes the incoming data files and presents reports on Web-based GUI. The inPilot application can generate reports in Excel and PDF formats, and present them to users on a request basis.

System Requirements

This section identifies the minimum system requirements for inPilot.

IMPORTANT: The hardware required for inPilot may vary depending on incoming EDR generation, subscriber count, and number of gateways.

- Sun Microsystems Netra[™] X4450 server
 - Quad-Core Intel Xeon E7340 (2 * 4MB L2, 2.40 GHz, 1066 MHz FSB)
 - 32GB RAM
 - 8 * 300GB 10K RPM SAS disks
 - Four 10/100/1000 Ethernet ports, 2 PCI-X, 8 PCIe
 - 4 redundant AC power supplies
 - Intelx64 core 4 socket
- Operating Environment:
 - Sun Solaris 10
- ZFS is the recommended file system with two ZFS pools.

One pool with minimal capacity, two disks mirrored for OS only. The remaining disks are to be configured in one single zpool.

IMPORTANT: The current inPilot release 10.0.x works with StarOS version 9.0.

Chapter 2 Configuring Chassis for inPilot

This chapter describes the configurations required to source data for the inPilot application.

IMPORTANT: These configurations are on the chassis.

For more information on ECS configurations, see the Enhanced Charging Services Administration Guide.

This chapter describes the following topics:

- Initial Configuration
- Configuration

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Initial Configuration

If the configurations described in this section are not already available on the system, these must be configured. Initial configuration steps:

- **Step 1** Ensure that ECS license is installed on the system.
- Step 2 Create the ECS administrative user account as described in the Creating the ECS Administrative User Account section.
- Step 3 Enable Active Charging as described in the Enabling Active Charging section.
- Step 4 Create Active Charging Service as described in the Creating the Active Charging Service section.
- **Step 5** Save your configuration as described in the *Verifying and Saving Your Configuration* chapter.

IMPORTANT: Commands used in the configuration examples in this section provide base functionality to the extent that the most common or likely commands and/or keyword options are presented. In many cases, other optional commands and/or keyword options are available. Refer to the *Command Line Interface Reference* for complete information regarding all commands.

Installing the ECS License

To enable and configure ECS functionality on the system you must obtain and install one of the following licenses:

- [600-00-7526] Enhanced Charging Bundle 1 1k Sessions license
- [600-00-7574] *Enhanced Charging Bundle 2 1k Sessions* license—to enable and configure Diameter and DCCA functionality with ECS

For information on how to install licenses, see the *Managing License Keys* section of the *Software Management Operations* chapter in the *Administration and Configuration Guide*.

Creating the ECS Administrative User Account

At least one administrative user account that has ECS functionality privileges must be configured on the system. This is the account that is used to log on and execute ECS-related commands. For security purposes, it is recommended that these user accounts be created along with general system functionality administration.

Use the following configuration example to create the ECS Administrative user account:

configure

context local

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```
administrator <user_name> password <password> ecs
```

end

Notes:

- Aside from having ECS capabilities, an ECS Administrator account also has the same capabilities and privileges as any other system-level administrator account.
- You can also create system ECS user account for a config-administrator, operator, or inspector. ECS accounts have all the same system-level privileges of normal system accounts except that they have full ECS command execution capability. For example, an ECS has rights to execute every command that a regular administrator can in addition to all of the ECS commands.
- Note that only Administrator and Config-administrator-level users can provision ECS functionality. Refer to the *Configuring System Settings* chapter of the *System Administration and Configuration Guide* for additional information on administrative user privileges.

Enabling Active Charging

Active Charging must be enabled before configuring charging services.

Use the following configuration example to enable Active Charging:

```
configure
require active-charging optimized-mode
context local
interface <interface_name>
ip address <ip_address> <ip_mask>
exit
server ftpd
end
```

Notes:

- ACS must be enabled in Optimized mode, wherein ACS functionality is managed by SessMgrs. The require active-charging optimized-mode command enables ACS in Optimized mode.
- The **require active-charging optimized-mode** command must be a part of the boot configuration. If configured after booting, the configuration must be saved and the system rebooted for the change to take effect.

Creating the Active Charging Service

Use the following configuration example to create an Active Charging Service:

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Initial Configuration

```
configure
```

active-charging service <service_name> [-noconfirm]

end

Configuration

The following is the sequence of configurations necessary to source data to the inPilot application:

- Step 1 Activate P2P analyzer as described in the Activating P2P Analyzer section.
- Step 2 Configure EDR flow format as described in the Configuring the EDR Flow Format section.
- **Step 3** Configure routing ruledefs and rulebase for deep-packet inspection as described in the Configuring Deep Packet Inspection section.
- Step 4 Configure EDR module as described in the EDR Module Configuration section.
- Step 5 Configure user as described in the Configuring EDR Download Permission section.
- Step 6 Configure bulkstat schemas as described in the Configuring Bulkstat Schemas section.
- Step 7 Load the bulkstats configuration file to the gateway as described in the Loading Bulkstats Configuration File section.
- Step 8 Save your configuration as described in the Verifying and Saving Your Configuration chapter.

Activating P2P Analyzer

Use the following configuration example to activate P2P protocol detection:

```
configure
active-charging service <service_name>
p2p-detection protocol all
rulebase <rulebase_name>
p2p dynamic-flow-detection
end
```

Notes:

• P2P protocol detection must be activated only within rulebases used by the APNs for which P2P detection is applicable. P2P detection must not be applied to the rulebases used for APNs where such reporting is either not useful or is not possible.

Configuring the EDR Flow Format

Use the following configuration example to configure the EDR format generated for flows:

configure

```
active-charging service <service_name>
edr-format <edr_format_name> [ -noconfirm ]
attribute <attribute> { [ format { MM/DD/YY-HH:MM:SS | MM/DD/YYYY-HH:MM:SS
| YYYY/MM/DD-HH:MM:SS | YYYYMMDDHHMMSS | seconds } ] [ localtime ] | [ { ip |
tcp } { bytes | pkts } { downlink | uplink } ] priority <priority> }
rule-variable <protocol> <rule> priority <priority>
event-label <event-label> priority <priority>
end
```

Notes:

• For information on EDR format configuration and rule variables, refer to the *EDR Format Configuration Mode Commands* chapter of the *Command Line Interface Reference*.

The following is a sample EDR configuration.

```
configure
  active-charging service ecs_svc1
    edr-format edr flow format
      attribute sn-start-time format seconds priority 10
      attribute sn-end-time format seconds priority 20
      attribute radius-calling-station-id priority 30
      rule-variable ip server-ip-address priority 60
      attribute sn-server-port priority 70
      attribute sn-app-protocol priority 80
      attribute sn-parent-protocol priority 81
      rule-variable ip protocol priority 82
      rule-variable p2p protocol priority 90
      attribute sn-volume-amt ip bytes uplink priority 100
      attribute sn-volume-amt ip bytes downlink priority 110
      attribute sn-volume-amt ip pkts uplink priority 120
      attribute sn-volume-amt ip pkts downlink priority 130
      rule-variable bearer 3gpp charging-id priority 140
      rule-variable bearer 3gpp imei priority 141
```

```
rule-variable bearer 3gpp rat-type priority 142
      rule-variable bearer 3gpp user-location-information priority 143
      rule-variable traffic type priority 160
      rule-variable voip-duration priority 170
        end
The following is a sample HTTP EDR configuration.
configure
  active-charging service ecs_svc1
    edr-format edr_http_format
      attribute sn-start-time format seconds priority 10
      attribute sn-end-time format seconds priority 20
      attribute radius-calling-station-id priority 30
      rule-variable ip server-ip-address priority 50
      rule-variable http host priority 70
      rule-variable http content type priority 80
      attribute transaction-downlink-bytes priority 90
      attribute transaction-uplink-bytes priority 100
      attribute transaction-downlink-packets priority 110
      attribute transaction-uplink-packets priority 120
      rule-variable bearer 3gpp charging-id priority 130
        end
```

Verifying your Configuration

To verify your configuration, in the Exec Mode, enter the following command: show active-charging edr-format name <edr_format_name>

Configuring Deep Packet Inspection

Configuring Routing Rule Definition

Use the following configuration example to create and configure a routing ruledef:

```
configure
```

active-charging service <service_name>

```
ruledef <ruledef_name>
```

<protocol> <expression> <operator> <condition>

rule-application routing

end

Notes:

- The **rule-application routing** command specifies the ruledef type. If not specified, by default, the system configures the ruledef as a charging ruledef.
- For information on all the protocol types, expressions, operators, and conditions supported, refer to the *Ruledef Configuration Mode Commands* chapter of the *Command Line Interface Reference*.
- Up to 10 rule matches can be configured in one ruledef.

Verifying your Configuration

To verify your configuration, in the Exec Mode, enter the following command:

```
show active-charging ruledef routing
```

Configuring Rulebase

Use the following configuration example to route traffic to the appropriate analyzer within each rulebase where the reporting is applicable.

```
configure
  active-charging service <service_name>
    rulebase <rulebase_name> [ -noconfirm ]
    route priority <priority> ruledef <ruledef_name> analyzer <analyzer> [
    description ]
    rtp dynamic-flow-detection
```

flow end-condition timeout normal-end-signaling session-end edr
<edr_format_name>

end

The following is a sample rulebase configuration.

configure

active-charging service ecs_svc1

rulebase p2p-rb

flow end-condition timeout normal-end-signaling session-end edr edr_flow_format

action priority 4 ruledef rtsp_setup charging-action standard action priority 5 ruledef rtsp_play charging-action standard action priority 6 ruledef rtsp_teardown charging-action standard action priority 7 ruledef rtsp_anymatch charging-action standard action priority 10 ruledef sip_anymatch charging-action handshake action priority 11 ruledef rtp-anymatch charging-action handshake action priority 12 ruledef udp-anymatch charging-action handshake action priority 13 ruledef tcp-anymatch charging-action handshake action priority 100 ruledef ip-anymatch charging-action handshake route priority 60 ruledef sip-src analyzer sip route priority 65 ruledef sip-dst analyzer sip route priority 70 ruledef rtsp-src analyzer rtsp route priority 75 ruledef rtsp-dst analyzer rtsp route priority 250 ruledef sdp_route analyzer sdp rtp dynamic-flow-detection edr transaction-complete http edr-format edr_http_format edr voip-call-end edr-format edr_flow_format p2p dynamic-flow-detection end

Verifying your Configuration

To verify your configuration, in the Exec Mode, enter the following command:

show active-charging rulebase name <rulebase_name>

Configuring Charging Action

Use the following configuration example to configure a charging action:

```
configure
active-charging service <service_name>
charging-action <charging_action_name> [ -noconfirm ]
content-id <content_id>
retransmissions-counted
billing-action [ edr <edr_format> [ wait-until-flow-ends ] | egcdr |
exclude-from-udrs | radius ] +
flow idle-timeout <idle_timeout>
end
```

Verifying your Configuration

To verify your configuration, in the Exec Mode, enter the following command:

show active-charging charging-action name <charging_action_name>

EDR Module Configuration

Use the following configuration example to configure the EDR module:

configure

```
context <context_name>
```

edr-module active-charging-service

```
file name <file_name> rotation volume <file_size_bytes> rotation time <file_complete_seconds> storage-limit <storage_limit_bytes> headers reset-
indicator edr-format-name trap-on-file-delete compression gzip file-sequence-
number rulebase-seq-num
```

```
cdr [ push-interval <interval> | remove-file-after-transfer | transfer-
mode { pull | push primary { encrypted-url <enc_url> | url <url> } [ secondary {
encrypted-secondary-url <enc_sec_url> | url <sec_url> } ] } + | use-harddisk ]
```

end

Notes:

- The <context_name> must be the context specified for accounting.
- The cdr use-harddisk command is only available on the ASR 5000 platform.
- The cdr use-harddisk command specifies storing files on the hard disk. The reporting server will
 download these files through the SPIO interface on the SMC and will delete the files after successful retrieval.
- The edr-format-name keyword must be configured to distinguish between different EDRs.
- The files will be compressed to save storage and transmission bandwidth.

Verifying your Configuration

To verify your configuration, in the Exec Mode, enter the following command:

```
show active-charging edr-udr-file statistics
```

Pushing EDR/UDR Files Manually

To manually push EDR/UDR files to the configured L-ESS, in the Exec mode, enter the following command:

```
cdr-push { all | local-filename <file_name> }
```

Notes:

- Before you can use this command, in the EDR/UDR Configuration Mode, the CDR transfer mode and file locations must be set to push.
- <file_name> must be absolute path of the local file to push.

Configuring EDR Download Permission

Use the following configuration example to configure EDR download permission:

```
configure
context local
administrator <administrator_id> password <password> ftp nocli
end
```

Notes:

• The user must be configured in the local context with administrative privileges to download and delete EDRs from the hard disk. The ftp nocli options restrict access to FTP only.

Configuring Bulkstat Schemas

Ensure that the following checks are made prior to configuring bulkstat schemas.

• FTP must be enabled on the inPilot server.

To enable the FTP daemon, use the following command:

```
/usr/sbin/svcadm/ enable ftp
```

To disable the FTP daemon, use the following command:

/usr/sbin/svcadm/ disable ftp

• Bulkstat files FTPed from gateways must have the following file naming convention:

bulkstat%date%%time%.txt

Where, date format = yyyymmdd and Time format = hhmmss

Example: bulkstat20100206150002.txt

• Bulkstats files must be FTPed at the following location from the gateway:

\$STARBI_HOME/server/data/\$gwname/bs

Where \$STARBI_HOME = inPilot installation directory

\$gwname = Gateway name

Use the following configuration example to configure bulkstat schemas:

configure

bulkstats collection

bulkstats mode

sample-interval <minutes>

transfer-interval <minutes>

file <file_number>

header format <format_string>

remotefile format <format_string>

receiver <ip_address> primary mechanism ftp login <user_name> password <password>

```
<module> schema <schema_name> format <format_string>
```

end

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Notes:

- <ip_address> specifies the IP address of the inPilot server.
- The default file transfer mechanism is ftp.
- For more information on commands for bulkstats configuration on the chassis, refer to the *Bulk Statistics Configuration Mode Commands* chapter in the *Command Line Interface Reference Guide*.
- For more information on variable descriptions for bulkstats schema configuration, refer to the *Statistics and Counters Reference Guide* or *WEM Online Help*.

For viewing the sample bulkstats configuration file, refer to Sample Bulkstats Schema Configuration appendix.

Loading Bulkstats Configuration File

To load the bulkstats configuration file to the gateway, use the following command:

configure [File URL]

Where, File URL is the path of bulkstats configuration file.
Chapter 3 Managing inPilot Installation

This chapter describes how to install, upgrade, and uninstall the inPilot application.

The following topics are explained in this chapter:

- Installing inPilot
- Upgrading inPilot

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• Uninstalling inPilot

IMPORTANT: The procedures for installation, upgrade, and uninstallation of inPilot and RDP remain the same.

Installing inPilot

This section provides instructions on how to install the inPilot application.

IMPORTANT: Make sure that your system meets the minimum requirements as indicated in the *System Requirements* section in the *inPilot Overview* chapter of this guide.

The following inPilot components are installed by inPilot installer.

- Apache v2.2.11 with mod_python v3.3.1
- Python v2.6.4
- Postgres v 8.2.0
- Django v1.0.2
- JRE v1.6.0_12
- Quartz Scheduler v1.6.4

inPilot uses the following python/django packages:

- django_pagination-1.0.5
- django_sorting-0.1
- django_timezones-0.1
- psycopg2-2.0.8
- pytz-2009f

Setting the Database Environment Strings

Prior to installing the inPilot components onto the server hardware, there are numerous system environment configuration settings that should be configured. While PostgreSQL will be installed during the installation procedure, these settings must be configured manually.

WARNING: Failure to configure these settings may cause data loss and will minimally cause errors in the operation.

Add the following values to system file in the */etc/system* directory if they are not present and restart the system before continuing with the installation of the inPilot components.

```
set msgsys:msginfo_msgmnb=65536
```

set msgsys:msginfo_msgtql=1024

```
set shmsys:shminfo_shmmax=130000000
```

- set shmsys:shminfo_shmmin=1
- set shmsys:shminfo_shmmni=256
- set shmsys:shminfo_shmseg=256
- set semsys:seminfo_semmap=256
- set semsys:seminfo_semmni=512
- set semsys:seminfo_semmns=512
- set semsys:seminfo_semmsl=270

Pre-installation Checks

Ensure the following checks are made before installing the inPilot application.

- **Step 1** The recommended filesystem for installation is ZFS. If installation is performed on any other filesystem, a warning message appears indicating the recommended filesystem.
- **Step 2** inPilot must be installed as a **root** user on the system. Installation with other user privileges is not recommended.
- **Step 3** Make sure no other Apache web server is running on the port being used for installation (default port is 8080). If it is, stop it before proceeding with the installation or provide a different port for Apache server. Check if an application is running on a given port by entering the following command:

```
netstat -an | grep <port number>
```

Step 4 Make sure no other Postgres server is running on the port being used for installation (default port is 5432). If it is, stop it before proceeding with the installation or provide a different port for Postgres server. Check if an application is running on a given port by entering the following command:

netstat -an | grep <port number>

Step 5 Make sure no other server is running on the port being used for installation for XML-RPC (default port is 9999). If it is, stop it before proceeding with the installation or provide a different port for XML-RPC server. Check if an application is running on a given port by entering the following command:

netstat -an | grep <port number>

- **Step 6** inPilot installation will ask for the Administrator login and Administrator Primary Group. Administrator login is the OS level administrator of inPilot who will own the inPilot installation. Administrator Primary Group is the user group of inPilot to allow the interaction with external entities like L-ESS.
- Step 7 L-ESS must be stopped before starting inPilot installation / upgrade.
- **Step 8** If the L-ESS is installed as a **root** user, the ownership of L-ESS installation should be changed from **root** to **non-root** user. This new user must be added to inPilot Group. For example, if L-ESS is initially running as **root** and new user created is *essadmin*, then perform the following sequence of operations.

Step a Stop L-ESS.

- **Step b** Add the user *essadmin* to inPilot group by entering the following command as **root** user **usermod** -G <inPilot Group> essadmin
- Step c Verify whether the user is added correctly to inPilot group using the command groups essadmin
- **Step d** Change the ownership of L-ESS installation to this new user using the following command chown -R essadmin <LESS installation directory>
- Step e Login as essadmin with the command su essadmin

Step fStart L-ESS again.

- Step 9 If the L-ESS is installed as a non-root user say *essadmin*, this user should be added to inPilot Group.
 - Step a Stop L-ESS
 - Step b Add the user *essadmin* to inPilot group by running the following command as **root-usermod -G** <inPilot Group> essadmin
 - **Step c** Log off and relogin again as *essadmin* for the group addition to come into effect.
 - **Step d** Start the L-ESS application to continue pulling the EDR files from chassis and forwarding it to inPilot.
- **Step 10** Similarly for the Bulkstats (BS), before pushing BS files from chassis to inPilot, the corresponding user should be added to inPilot group.
- **Step 11** The recommended user/group settings for inPilot are:
 - NIS-USER<->NIS-GROUP
 - NON-NIS-USER<->NON-NIS-GROUP

The NIS users should always be associated with NIS Groups. The non NIS users should be associated with Non NIS groups. Also, it is recommended to have separate non NIS users for inPilot installation.

inPilot Installation

The inPilot installation files are distributed as a single compressed file with a .tar.gz extension.

IMPORTANT: The inPilot application supports both Solaris-Sparc and Solaris-x86 platforms. The installable tar file names help in identifying the platform. For example, starbi_x.x.x_sparc.tar.gz indicates that this file is for Solaris-Sparc platform. Similarly, starbi_x.x.x_x86.tar.gz indicates that this file is for Solaris-x86 platform.

For information on downloading the appropriate inPilot package for your requirements, contact your sales representative.

The inPilot application and its components can be installed using one of the following two methods.

- Installing inPilot Using Scriptbased Installer
- Installing inPilot Using GUIConsole based Installer

Installing inPilot Using Script-based Installer

IMPORTANT: To perform the installation procedure explained in this section, you must be logged into the server as a **root** user.

After copying the installation file to the server, use the following procedure to install the inPilot application.

- **Step 1** Change to the directory in which the file is stored.
- **Step 2** Unzip the file by entering the following command:

gunzip starbi_x.x.x_x.tar.gz

x.x.x is the version of the inPilot installation file.

IMPORTANT: After un-zipping the installation file, set the permission of .tar file to 700 using the following command and then continue with the installation process. - chmod 700 starbi_<release no>_<platform>.tar

Step 3 Untar the file by entering the following command:

tar -xvf starbi_x.x.x_x.tar

Decompressing the installation file results in the following files:

- *README*: A text file containing information pertaining to the release.
- install starbi: A script to install the inPilot application.
- starbi.tar: A compressed file containing all the application files required for inPilot installation.
- inst: A GUI/Console based installer to install the inPilot application.
- *In_Pilot_Installer.bin*: The executable used by *inst* to install inPilot application.
- **Step 4** Execute the script by entering the following command:

./install_starbi

IMPORTANT: The installation script checks the disk space in the system. If the available disk space is lesser, then the script will give an error and abort the installation process.

Step 5 Respond to the on-screen prompts with the help of inputs given in the following table and configure various parameters as required.

Parameter	Description	Default Value
System Environmer	nt Variable Prompt	

Parameter	Description	Default Value
	This dialog or script asks user to add variable values in <i>/etc/system</i> file and restart the system. For more information, refer to the Setting the Database Environment Strings section.	N/A
inPilot Installation		
Want to proceed	Type (y)es to proceed with the installation of inPilot application.	yes
inPilot Installation Directory	Type the directory on the server in which the inPilot application is to be installed.	<current_directory></current_directory>
The following warn ZFS is the recomme	ing appears if the user performs installation on non-ZFS (UFS) partition path. ended filesystem for installation.	no
Warnin	g! Path provided lies in ufs filesystem.	
Recomm	ended filesystem for inpilot is zfs.	
Do you	still want to continue? [no] ?	
Type (y)es or (n)o t	o proceed with the inPilot installation.	
Do you want to install inPilot or RDP	Type i or press Enter to install the inPilot application. To install RDP type r . Refer to the following table for the parameters associated with the RDP installation.	inPilot
Administrator login	Type an administrator name for the Operating System (OS) level administrator of inPilot.	muradmin
	IMPORTANT: The Administrator user created should be manually activated with a password once the inPilot installation is complete. This can be done by entering the following command as root user: passwd <adminusername> Upon executing this command, the user will be asked to enter a suitable administrator password.</adminusername>	
Administrator uid	Type the Administrator User ID for the inPilot Administrator login.	100014
	IMPORTANT: This input will be asked only if the Administrator login name provided does not exist.	

Parameter	Description	Default Value
Administrator Primary Group	Type the Primary Group name for the Administrator. IMPORTANT: If the Administrator login name provided already exists, the Primary Group of this login will be considered as the inPilot User Group . Otherwise, the user will be asked to enter the Primary Group information.	inPilot
Postgres Login	This is a read-only parameter. The Postgres login name will be the same as the Administrator login name provided earlier.	N/A
Postgres Password	Type the password for accessing the PostgreSQL database.	N/A
Postgres Port	Type the port number over which PostgreSQL communication will occur with inPilot.	5432
Apache Port	Type the port number over which Apache web server communication will occur with inPilot.	8080
RPC Port	Type the port number over which XML-RPC server communication will occur with inPilot.	9999
Bulkstat File Transfer Interval [seconds]	Enter the file transfer interval for bulk statistics in seconds.	900
Bulkstat Sample Interval [seconds]	Enter the sample interval for bulk statistics in seconds.	300
Archive Directory	Type the directory path for archiving parsed files.	<inpilot_install_dir>/archive</inpilot_install_dir>

Parameter	Description	Default Value	
The following warn ZFS is the recomme	no		
Warnin	g! Path provided lies in ufs filesystem.		
Recommended filesystem for inpilot is zfs.			
Do you			
Type (y)es or (n)o t	Type (y)es or (n)o to proceed with the inPilot installation.		
inPilot Configuration Confirmation			
Proceed with installation	Type (y)es to proceed with inPilot installation.	yes	
Do you want to start the inPilot components	Type (y)es to start the inPilot components immediately after installation.	yes	

Parameter	Description	Default Value
Administrator login	Type an administrator name for the Operating System (OS) level administrator of RDP.	muradmin
	IMPORTANT: The Administrator user created should be manually activated with a password once the inPilot installation is complete. This can be done by entering the following command as root user: passwd <adminusername> Upon executing this command, the user will be asked to enter a suitable administrator password.</adminusername>	
Administrator uid	Type the Administrator User ID for the inPilot Administrator login. IMPORTANT: This input will be asked only if the Administrator login name provided does not exist.	100014
Administrator Primary Group	Type the Primary Group name for the Administrator.	inPilot

Parameter	Description	Default Value
Postgres Login	This is a read-only parameter. The Postgres login name will be the same as the Administrator login name provided earlier.	N/A
Postgres Password	Type the password for the Postgres database administration.	N/A
Postgres Port	Type the port number over which PostgreSQL communication will occur with RDP.	5432
	IMPORTANT: Be sure no other Postgres server is running on configured port.	
Apache Port	Type the port number over which Apache web server communication will occur with RDP.	8080
	IMPORTANT: Be sure no other Apache web server is running on port which you are using while installation. If the port is being used, abort the installation.	
RPC Port	Type the port number over which XML-RPC server communication will occur with RDP.	9999
	IMPORTANT: Be sure no other XML-RPC server is running on configured port.	
Bulkstat File Transfer Interval [seconds]	Enter the file transfer interval for bulk statistics in seconds.	900
Bulkstat Sample Interval [seconds]	Enter the sample interval for bulk statistics in seconds.	300
Archive Directory	Type the directory path for archiving parsed files.	<rdp_install_dir>/archive</rdp_install_dir>
The following warr ZFS is the recomm	ning appears if the user performs installation on non-ZFS (UFS) partition path. ended filesystem for installation.	no
Warnin	g! Path provided lies in ufs filesystem.	
Recomm	ended filesystem for inpilot is zfs.	
Do you	still want to continue? [no] ?	
Type (y)es or (n)o	to proceed with the RDP installation.	
RDP Configuration	Confirmation	1

Parameter	Description	Default Value
Proceed with installation	Type (y)es to proceed with RDP installation.	yes
Do you want to start the RDP components	Type (y)es to start the RDP components immediately after installation.	yes

After you have provided the inputs, the installation script starts the inPilot components and you receive a message indicating that inPilot installation is completed.

Installing inPilot Using GUI/Console based Installer

IMPORTANT: To perform the installation procedure explained in this section, you must be logged into the server as a **root** user.

Follow the instructions below to install inPilot using the GUI/Console based installation wizard.

- **Step 1** Change to the directory in which the file is stored.
- **Step 2** Unzip the file by entering the following command:

gunzip starbi_x.x.x_x.tar.gz

x.x.x is the version of the inPilot installation file.

Step 3 Un-tar the file by entering the following command:

tar -xvf starbi_x.x.x_x.tar

Decompressing the installation file results in the following files:

- README: A text file containing information pertaining to the release.
- install starbi: A script to install the inPilot application.
- starbi.tar: A compressed file containing all the application files required for inPilot installation.
- inst: A GUI/Console based installer to install the inPilot application.
- *In_Pilot_Installer.bin*: The executable used by *inst* to install inPilot application.
- **Step 4** Execute the script by entering the following command:

./inst [MODE]

where [MODE] is optional.

Two installation modes are supported namely:

- gui
- console

The command 'inst/uninst -help' provides usage of the scripts. This script installs the Apache, Postgres and Scheduling servers functionality. The display must be set for running in GUI mode, else the installation will run in Console mode.

The following inPilot Installer dialog appears displaying the inPilot version getting installed.

😼 In Pilot		
	Introduct	tion
Introduction In	Welcome to InstallAnywhere wizard, it will guide you the installation of InPliot 9.0.35.0 The InstallAnywhere wizard will install InPliot on your computer. Click Next button to proceed to the next screen. If you want to change something on a previous screen, click the Previous' button. InPliot Starent Networks Intpl/Www.starenthetworks.com You may cancel this installation at any time by clicking the Cancel' button.	
<u>C</u> ancel <u>H</u> elp	Previous Next	

Step 5 Click Next to proceed.

Step 6 Respond to the on-screen prompts with the help of inputs given in the following table and configure various parameters as required.

Parameter	Description	Default Value
PostgreSQL System Settings screen		
	This dialog asks the user to check the variable values in / <i>etc/system</i> file. If one or more entries are missing, click Cancel to update / <i>etc/system</i> and restart the system to re-run installer. For more information, refer to the Setting the Database Environment Strings section.	N/A
inPilot Installation Directory screen		
Enter inPilot Directory Path	Enter the base directory path where inPilot is to be installed. Click Browse to change the installation path.	<current_directory></current_directory>

Parameter	Description	Default Value
A Component Type screen appears showing the components for installation. This screen allows you to select either inPilot or RDP for installation. Select any of the components that you want to install.		
inPilot Administra	ator and Group Configuration screen	
Administrator Login	Enter an administrator name for the Operating System (OS) level administrator of inPilot.	muradmin
	IMPORTANT: The Administrator user created should be manually activated with a password once the inPilot installation is complete. This can be done by entering the following command as root user: passwd <adminusername> Upon executing this command, the user will be asked to enter a suitable administrator password.</adminusername>	
Administrator User ID	Type the Administrator User ID for the inPilot Administrator login.	100014
	IMPORTANT: This input will be asked only if the Administrator login name provided does not exist.	
Administrator Primary Group	Type the Primary Group name for the Administrator. IMPORTANT: If the Administrator login name provided already exists, the Primary Group of this login will be considered as the inPilot User Group. Otherwise, the user will be asked to enter the Primary Group information.	inPilot
PostgreSQL Serve	er Configuration screen	1
Postgres Login	This is a read-only parameter. The Postgres login name will be the same as the Administrator login name provided earlier.	N/A
Postgres password	Enter the password for the Postgres database administration.	N/A

Parameter	Description	Default Value
Postgres Port	Enter the port number on which PostgreSQL communication will be running.	5432
	IMPORTANT: Ensure that no other Postgres server is running on configured port.	
Enter data directory path	Enter the data directory path of postgres being used. Click Browse to change the installation path.	<inpilot_install_dir>/starbi/postgres/data</inpilot_install_dir>
inPilot Port Confi	guration screen	
Apache Port	Type the port number over which Apache web server communication will occur with inPilot.	8080
	IMPORTANT: Ensure that no other Apache web server is running on the port being used for installation. If the port is being used, abort the installation.	
RPC Port	Type the port number over which XML-RPC server communication will occur with inPilot.	9999
	IMPORTANT: Ensure that no other XML-RPC server is running on the configured port.	
inPilot Archive D	irectory Configuration screen	
Enter archive directory path	Enter the directory path for archiving parsed files. Click Browse to change the installation path.	<inpilot_install_dir>/archive</inpilot_install_dir>
inPilot Bulkstats (Configuration screen	-
Bulkstat File Transfer Interval [secs]	Enter the file transfer interval for bulk statistics in seconds.	900
Bulkstat Sample Interval [secs]	Enter the sample interval for bulk statistics in seconds.	300
Pre-installation Summary screen		
The pre-installation screen displays the product name, install location, other product configurations, and disk space information before installing the product. Click Cancel to stop installation or Install to continue installation.		
Installing inPilot	screen	

Parameter	Description	Default Value
The screen shows all the contents being loaded on the machine during installation. Click Cancel to stop installation.		
inPilot Server Startup screen		
Start All Servers After Installation	Select the option to start all servers after installation. Click Next to proceed.	N/A
Install Complete screen		
	The screen shows whether installation is successful or failed. Click Done to quit the installer.	N/A

Confirming Successful Installation

Verify that the inPilot application is running and accessible by entering the following URL in your Web browser:

http://<inpilot_installation server name or IP address>:<apache port>

For information on using the inPilot GUI, see the inPilot Online Help documentation.

Upgrading inPilot

This section provides instructions on how to upgrade the installed inPilot application.

IMPORTANT: To perform the upgrade procedure explained in this section, you must be logged into the server as a **root** user.

The upgrade procedure ensures that the database content is retained in the new installation. It also ensures that if there are any pending files to be processed in the old installation, then those file are also made available in the new installation.

IMPORTANT: Before performing the upgrade process, ensure that the browser cache is cleared.

CAUTION: Please contact your local support representative to ensure compatibility prior to upgrading.

IMPORTANT: If the previous installation is inPilot then the installation script will cause upgrading the software to inPilot and if the previously installed component is RDP then the script will cause upgrading to RDP.

The inPilot upgrade process is carried out in two steps:

- 1. Online Upgrade
- 2. Offline Upgrade

The online upgrade is the conventional upgrade process. It will upgrade only last 7 days of available data i.e. it will get the latest date for which data is available and upgrade the last 7 days data only from that date.

Once the online upgrade is complete, offline upgrade starts in the background and it will upgrade all the remaining data older than last 7 days.

During the offline upgrade, there is a possibility of data outage. So, the reports older than last 7 days might be inaccessible from GUI during this period. Once the offline upgrade is over, these reports will be visible again.

The following steps describe how to upgrade the inPilot application:

Step 1 Stop the EDR file generation through L-ESS or HDD push. Run the following commands:

ls -lrt <install path>/starbi/data/temp_data_files/<chassis name>/edr/normalized_data/data

ls -lrt <install path>/starbi/data/temp_data_files/<chassis name>/edr/normalized_http_data/data

Check if the above commands return any pending input EDR files for the available gateways. If yes, wait for some time (5-10 minutes) to let the inPilot process finish these pending EDR files. Check again, and repeat the procedure until there are no pending EDR files for the available gateways. This is to make sure that you do not not stop any inPilot process while processing.

- **Step 2** Stop the inPilot application using the following command from the *<inpilot_install_dir>/starbi/bin* directory:
 - ./serv stop

IMPORTANT: For all inPilot software versions 9.0.16 and later, use the **serv** stop command. or ./shutdown.sh **IMPORTANT:** For all inPilot software versions 9.0.15 and lower, use the **shutdown** command. Then, check the status of processes using the following command: ./serv status **IMPORTANT:** For all inPilot software versions 9.0.16 and later, use the **serv** status command. or ./status.sh **IMPORTANT:** For all inPilot software versions 9.0.15 and lower, use the **status** command. **IMPORTANT:** Make sure that none of the processes is running. Obtain the list of dynamic tables for taking their backup using the following command: ./psql -U <postgres username> -p <portnumber> -c "select tablename from pg_tables where tablename like '%2009'" starbidb The following is a sample output: tablename _____ sbi_edr_gw_proto_summary_06292009 sbi_edr_sub_06292009 sbi_edr_sub_topn_06292009 sbi_edr_gw_proto_summary_06302009 sbi_edr_sub_06302009 sbi_edr_sub_topn_06302009 Take backup of each of these tables using the following command: ./pg_dump -p <postgres port> -U <postgres user> -F p -v -f "<file name with absolute path>" -t "\"public\".\"<table_name>\"" starbidb

Step 4

Step 3

IMPORTANT: Be sure that there are different file names for different tables. It is recommended to have the file name same as the table name to avoid any confusion, and keep this file in the */export/home/* directory.

For example, assuming that you are in the *postgres/bin* directory:

```
./pg_dump -p 5432 -U sbgres -F p -v -f
"/export/home/sbi_edr_gw_proto_summary_06292009.sql" -t
"\"public\".\"sbi_edr_gw_proto_summary_06292009\"" starbidb
```

Step 5 Take backup of schedules and gateway tables for triggering parsing of files.

./psql -U <postgres user> -p <postgres port> -c "copy sbi_gateway to '<old_inpilot_install_dir>/starbi/postgres/data/sbi_gateway" starbidb

Step 6 Stop the postgres server by entering the following command from the *<inpilot install dir>/postgres/bin* directory:

./pg_stop

Step 7 Install the new release of inPilot.

inPilot is upgradable from:

- · Earlier script installer based version to newer script installer based version
- Earlier script installer based version to GUI/Console installer based version
- Earlier GUI/Console installer based version to subsequent GUI/Console installer based version

For instructions on different inPilot installers, refer to the inPilot Installation section.

In case of the first two upgrade options mentioned above, make sure that you enter the old installation path (<install_dir>) for upgrade when prompted for the 'inPilot Installation directory'. In case of the third upgrade option, it automatically detects the old installation path through registry information. The installation automatically detects earlier setup and reads required configuration for Apache, Postgres and RPC port, etc. You will be prompted with a confirmation message before proceeding with the upgrade process.

After upgrade, the log files are generated at /starbi/logs/ directory.

IMPORTANT: The installation script will check if the Administrator user and Primary Group information is already present in database. If it does not exist, it will ask the user to enter this information and then continue with the upgrade.

- **Step 8** After the installation is done, start all the inPilot related processes.
- **Step 9** Restore the backed up data from postgres server by entering the following command from the <*inpilot_install_dir>/starbi/postgres/bin* directory:

```
./psql -U <postgres user> -p <postgres port> starbidb < <backedup table file
name>
```

For example:

```
./psql -U sbgres -p 5432 starbidb <
/export/home/sbi_edr_gw_proto_summary_06292009.sql</pre>
```

This creates required table and loads the data. Then, restore the gateway tables and schedules.

- Step 10 Modify the L-ESS configuration or HDD configuration to reflect the changes in the inPilot installation path.
- **Step 11** Restart the EDR file generation or HDD file push as needed.

IMPORTANT: The RDP should be upgraded manually. If the version of the RDP is not compatible with the inPilot, then inPilot may ignore the data sent by RDP. Thus, RDP should always be upgraded if it is not in sync with the inPilot. For change in mode from RDP to inPilot or vice-versa, re-installation is required.

Uninstalling inPilot

This section provides instructions on how to uninstall the inPilot application.

IMPORTANT: It is recommended that you manually perform a backup of all critical and historical data files before proceeding with this procedure. Failure to do this causes removal of all the directories, files and database.

The inPilot application and its components can be uninstalled using one of the following two methods:

- Uninstallation Using Script-based Uninstaller
- Uninstallation Using GUIConsole-based Uninstaller

IMPORTANT: The Administrator user and Primary Group configured during installation / upgrade will not be deleted during uninstallation. These have to be deleted manually by entering the following commands as **root** user: **userdel <ADMINUSER>** and **groupdel <ADMINGROUP>**

Uninstallation Using Script-based Uninstaller

IMPORTANT: To perform the uninstallation procedure explained in this section, you must be logged into the server as a **root** user.

This method must be used if installation has been done using install_starbi script.

Execute the script by entering the following command:

./uninstall_starbi

Uninstallation Using GUI/Console-based Uninstaller



This method must be used if installation has been done using GUI/Console based installer (using inst).

Change to the directory where inPilot is installed and execute the script by entering the following command:

./uninst [MODE]

i

where [MODE] is optional.

Two modes are supported namely:

- gui
- console

This uninstall script stops all the servers if it is running and all the data is wiped off.

IMPORTANT: The uninstall script does not cleanup the archive directory.

Chapter 4 inPilot Administration and Management

This chapter provides information on administering and managing the inPilot application.

This chapter describes the following topics:

- Launching the inPilot GUI
- Administration
- Operations and Management
- Troubleshooting inPilot

Launching the inPilot GUI

To launch the inPilot interface:

1. In a Web browser, enter the following URL:

http://<inPilot-server-hostname or IP address>:<apache port>

For example, http://10.4.5.2:8080

2. Enter your user name and password. The user name must be an alpha and/or numeric string of 3 through 16 characters in length. The only special character that a user name can include is underscore (_).

The password must meet the following criteria:

- Must be a minimum of 8 characters long and a maximum of 32 characters long
- · Must not be a repeat or reverse of the associated user name
- Must not be more than 3 of the same characters used consecutively
- Must contain at least 3 of the following combinations:
 - English upper case characters (A through Z)
 - English lower case characters (a through z)
 - Numerical (0 through 9)
 - Special characters (such as _, ., !, @, \$, *, =, -, ?, etc)

It is recommended to use the following browsers:

- Internet Explorer (v 7.0+)
- Mozilla Firefox (v 3.0.10+)

Note that:

- No additional plug-in is required.
- The javascript is enabled by default on the intended browser.
- Suggested screen resolution is 1024 x 768 and above.

Administration

This section provides information on how to administer and manage the inPilot application.

Managing User Accounts

The inPilot application provides two levels of access privileges:

- Administrator: Users in this group have the following privileges:
 - Create, edit, and delete other user accounts
 - Edit configuration settings
 - · Activate, deactivate, and reset password for operator users
 - Generate and view reports
- Operator: Users in this group can:
 - Generate reports
 - View module-level reports available to them

IMPORTANT: Only administrator with *admin* name can create user accounts.

Managing Gateways

The inPilot application supports configuring multiple gateways for which reports can be customized and generated. Gateways are the chassis from which EDR and bulkstat files are fetched to the reporting server.

IMPORTANT: Users with administrative privilege can only add and manage gateways.

When a gateway is added through the GUI, a directory by the name of the gateway is created in the *<inpilot install dir>/starbi/server/data* directory.

The gateway directory structure looks like the following:

```
<data directory>
|
|--> <Gateway name>
|
|--> edr
```

The inPilot application expects the EDR files in the directories that are created when adding the gateway.

Configuring Logging

The inPilot application facilitates logging to trace and debug problems identified within the reporting system.

IMPORTANT: Users with administrative privilege can only manage logging.

Operations and Management

This section provides information on the scripts that can be used to manage the inPilot components and the reports.

Using the Maintenance Utility

A shell script utility called *serv* is included with inPilot in the *<inpilot_install_dir>/starbi/bin* directory.

This serv script can be used to manage the following inPilot processes:

- Process Monitor (PSMON) Application
- Scheduling Server
- Postgres Server
- Apache Server

This utility can report the status of the inPilot processes on the system or it can be used to stop the inPilot process. Following are the options available with the serv script:

./serv { psmonitor | scheduler | postgres | apache } [start | stop | status]

Keyword	Description
psmonitor	This is an optional keyword used with the serv script. This represents the PSMON application.
scheduler	This is an optional keyword representing the scheduling server.
postgres	This is an optional keyword representing the postgres server.
apache	This is an optional keyword representing the apache server.
start	Starts each inPilot process.
stop	Kills or stops the running inPilot process.
status	Displays the status of each inPilot process.

For example, if you want to start only the PSMON, then enter the following command:

```
./serv start psmonitor
```

or

```
./serv psmonitor start
```

```
4
```

IMPORTANT: If you stop the inPilot process, make sure that PSMON is not running. Otherwise PSMON will restart the inPilot application.

The following is a sample output of the **serv status** command:

----- inPilot Process Status -----PID Process Status 4245 Process Monitor Running 4256 Scheduling server Running 4267 Postgres Server Running 4289 Apache Server Running

Using the PSMON Script

PSMON is a perl script that is used to monitor the Scheduling Server, Postgres Server, and Apache Server processes. This script can start or stop the processes based on certain thresholds specified in the inPilot configuration file. The PSMON respawns any dead processes using the set of rules defined in the configuration file.

This script can also optionally send notifications to users via e-mail.

Generating Reports in Excel Format

To generate the reports in excel format, execute the following script from the *<inpilot install dir>/starbi/bin* directory.

./get_excel_report.sh -day <date for report generation> -f<path where report to be stored>-filter<filter for the report>

The script takes three parameters, the date for which report is to be generated, the path where generated report is to be stored, and the filter for the reports. The date must be in mm-dd-yyyy format only, and the filter can be based on Type Allocation Code (TAC) or Access Point Name (APN).

Using the unanonymize_msisdn.sh Script

inPilot currently supports reporting of subscriber's private data like Mobile Station Integrated Network (MSISDN) both in GUI and excel format. This particular subscriber data is visible only to users with administrator privilege. By default, the excel report will be presenting MSISDNs in an encrypted format in all subscribers based reports.

A separate shell script utility, *unanonymize_msisdn.sh*, is available to decrypt the MSISDNs. This utility will check for user's privilege before decrypting the MSISDNs list. It will prompt for the GUI administrator password.

To decrypt the MSISDNs, execute the following script from the *<inpilot install dir>/starbi/bin* directory:

./unanonymize_msisdn.sh -u <username> -f <file containing list of encrypted
MSISDNs -o <output file path>

IMPORTANT: Please note that the users require GUI administrator credentials to access this utility.

Using the generate_dns_mapp_sql.sh Script

To generate the DNS mapping for the specified list of IP addresses, execute the following script from the *<inpilot install dir>/starbi/bin* directory:

./generate_dns_mapp_sql.sh < input file for IP> < output file where mapping should
be stored>

Keyword/Variable	Description
input file for IP	A file containing IP addresses. Each IP address must be present in a new line.
output file where mapping should be stored	An output file for storing the DNS mappings in SQL format.

This script is used to perform Internet DNS lookup of the specified IP addresses. It uses the 'nslookup' system administration command to find the DNS name of the specified IP. Please note that the machine must be connected to Internet for successful execution.

Using the getSupportDetails Script

In the event additional troubleshooting assistance is required, debugging information can be collected using a script called *getSupportDetails.pl*. This script collects different log files and captures the output of certain system commands that aid in troubleshooting issues. This script is packaged with inPilot in the *<inpilot install dir>/starbi/tools/supportdetails/* directory.

This script refers to an XML file to get the list of logs. This XML file resides in the same directory as the script. Once executed, the script retrieves the contents of logs, files, folders, and output of certain commands and prepares a zipped file (inpilotsupportDetails.tar.gz), by default it is placed in */tmp/log* directory.

Requirements

Perl 5.8.5 and above is required for running the script.

Apart from standard Perl modules (which are included in default installation of Perl), some additional modules are required for running the script. The list is as follows:

• expat version 1.95.8

- XML::Parser version 2.34
- XML-Parser-EasyTree
- Devel-CoreStack version 1.3

These modules are installed by default by the product. Please ensure that the above mentioned modules are installed when using a different installation of Perl.

To run the script, change to the directory path where the script is present and type:

./getSupportDetails.pl [--level=...] [--xmlfile=...] [--help]

Keyword/Variable	Description
level	Specifies the level of debug to run. It can have a maximum of 4 levels. The level 4 provides the most detailed information. Default: 1
xmlfile	Specifies the xml file name to be used for collecting the log. Default: getSupportDetails.xml
onlyrecentlogs	Collects only recent logs and skips detailed logs. Default: Collects detailed logs
collectFor	Collects problem specific logs and information which is not collected under normal levels. This can be combined withlevel option. Default: Collects logs covered under 'level' option.
help	Displays the supported keywords/variables.

For example, ./getSupportDetails.pl --level=4 --xmlfile=/tmp/getSupportDetails.xml

Supported Levels

The logs that can be collected for different levels are as follows:

- Level 1:
 - Recent Log files
 - Current status (running / not running) of the product
 - Current Config files of the product
- Level 2:
 - Logs from Level 1
 - Installation Logs
 - Database Logs (if available)
 - Web Server logs (if available)
 - Information of Solaris version and current patch installed
 - Output of the following commands:

netstat -an

```
ifconfig -a
```

df -k

etc..

- Level 3:
 - Logs from level 2
 - Syslog Configuration and log files
- Level 4:
 - Logs from level 3
 - All Log files (including old logs)
 - Crontab entries
 - Information of packages installed
 - Stack trace of any crash files (if debugger is installed on local machine)
 - System Libraries only if any core file present in crash directory
 - Level of Solaris installed
 - Output of the following commands:
 - ipcs

ps -eaf

etc..

Server script parameters

The number of files being processed during each parsing interval for HTTP and non-HTTP EDRs can be controlled using the following parameters defined in *settings.py* file.

 $EDR_TOTAL_NO_OF_FILES = 25$

EDR_MAX_NO_OF_PROCESSES = 5

HTTP_TOTAL_NO_OF_FILES = 25

HTTP_MAX_NO_OF_PROCESSES = 5

With the above default configuration, if the number of files being accumulated are less than 25 and not in multiples of 5, then inPilot spawns one more process to parse the remaining files.

Troubleshooting inPilot

This section provides information on how to resolve situations you might encounter with using inPilot software. This section provides problem definitions, their likely cause(s), and solutions.

Problem:	The EDR files are generated and moved out from the input directory. However, there are no reports getting generated.
Possible Cause(s):	• The files may not be available in the archive directory i.e. < <i>inpilot_install_dir>/starbi/archive</i> .
Action(s):	• Check if the files are available in the archive directory.
	• Check if they are marked invalid. If yes, check if there are any headers present in the files. If not, you need to configure ECS appropriately.
	• If the headers are present, check if all the required headers are present in the files.

Problem:	inPilot reporting client cannot be started.
Possible Cause(s):	The web browser cache might be full.
Action(s):	The browser cache must be cleared. In the case of Firefox, follow these steps: • On the Tools menu, click Clear Private Data .
	• Select Cache check box.
	Click Clear Private Data Now.
	 In the case of Internet Explorer, follow these steps: On the Tools menu, click Internet Options.
	Click Delete.
	• Select Temporary Internet files check box.
	• Click Delete .
	IMPORTANT: The Firefox version supported for inPilot is 3.0.10 and later. For Internet Explorer, it is 7.0 and later.

Problem:	The bulkstats or KPI reports are not generated.
Possible Cause(s):	The bulkstats file might not be parsed.

Action(s):	•	On the ADMIN menu, check the bulkstats audit under AUDIT . The audit should indicate whether the bulkstats files are being parsed or not. For more information, refer to the <i>inPilot Online Help</i> .
	•	Check if FTP is enabled on the inPilot server.
	•	Check if the bulkstats are FTPed to correct location on the inPilot server from the gateway. The path should be as follows:
		\$STARBI_HOME/server/data/\$gwname/bs
		Where \$STARBI_HOME = inPilot installation directory, \$gwname = Gateway name
	•	Check if the naming convention of the bulkstat files matches with the following convention:
		bulkstat%date%%time%.txt
		Where, date format = yyyymmdd and Time format = hhmmss
		Example: bulkstat20100206150002.txt
	•	Check if the Bulkstats/KPIs UI show only one day data
	•	Check if the counters of same schemas are added in the formula while configuring KPIs. For example, if you are adding KPI in SGSN schema, then you should add counters of SGSN only in the formula.
	•	Check if the bulkstat files are always pushed from gateway to master inPilot and not to RDP.
		 IMPORTANT: If you do not have Web Element Manager (WEM) application installed, then you should refer to the configuration file in Sample Bulkstats Schema Configuration appendix of the inPilot Installation and Administration Guide. IMPORTANT: inPilot is compatible with WEM 9.x. Therefore, you should use WEM 9.x to configure bulkstats on gateways.

Problem:	Parser is not handling data files properly.
Possible Cause(s):	The file might be corrupted.
Action(s):	 File are marked as 'UNPROCESSED.<file>' and moved to archive directory if one of the following conditions are met: file is '.gz' and corrupted with CRC error. file is empty. file does not have a header. </file> File are marked as 'CORRUPTED.<file>' and moved to archive directory if the file is '.gz' and corrupted (other than CRC error) like 'invalid compressed dataformat violated'</file>

Problem: Unable to add / edit / delete gateways.

Possible Cause(s):	The gateway configuration may be incorrect.
Action(s):	• Check if correct IP is provided while adding the gateway.
	• Check if gateway host is reachable from inPilot.
	For more information, refer to the inPilot Online Help.

Problem:	Unable to add / edit / delete RDPs.
Possible Cause(s):	The RDP configuration may be incorrect.
Action(s):	• Check if correct IP and port are provided while adding RDP.
	• Check if RDP is actually running on remote machine.
	• Check if RDP host is reachable from inPilot.
	For more information, refer to the inPilot Online Help.

Problem:	No reports are generated from RDP.
Possible Cause(s):	The RDP configuration may be incorrect.
Action(s):	• Check if RDP is actually running on remote machine.
	• Check if the user name and password configured are correct.
	For more information, refer to the <i>inPilot Online Help</i> .

Problem:	Duplicate reports are generated and/or the reports are incorrect.
Possible Cause(s):	inPilot might have parsed half-cooked files.
Action(s):	 The chassis tags the EDR files with a prefix 'prog.' while transferring to inPilot. After the transfer is complete, the chassis removes the 'prog.' tag. The 'prog.' prefix indicates that the file is half cooked. Check if the EDR files with the prefix 'prog.' are ignored. Check if EDR file formats are configured properly.

Chapter 5 Sample Bulkstats Schema Configuration

The following is a sample bulkstats schema configuration for inPilot:

configure

bulkstats collection

bulkstats mode

sample-interval 1

transfer-interval 5

file 1

header format "Format 9.0.0.2"

remotefile format

\$STARBI_HOME/server/data/\$gwname/bs/bulkstat%date%%time%.txt

receiver 10.4.70.233 primary mechanism ftp login guest password

guest12

card schema cardSch1 format

EMS, Card, %date%, %time%, %card%, %cpubusy%, %cpuidle%, %numproc%, %memused%, %memtotal% , %numcpu%, %cpu0-cpubusy%, %cpu0-cpuidle%, %cpu0-numproc%, %cpu0-memused%, %cpu0memtotal%,%cpu0-cpuused-user%,%cpu0-cpuused-sys%,%cpu0-cpuused-io%,%cpu0cpuused-irq%,%cpu0-cpuused-idle%,%cpu1-cpubusy%,%cpu1-cpuidle%,%cpu1numproc%, %cpu1-memused%, %cpu1-memtotal%, %cpu1-cpuused-user%, %cpu1-cpuusedsys%,%cpu1-cpuused-io%,%cpu1-cpuused-irq%,%cpu1-cpuused-idle%,%cpu2cpubusy%,%cpu2-cpuidle%,%cpu2-numproc%,%cpu2-memused%,%cpu2-memtotal%,%cpu2cpuused-user%,%cpu2-cpuused-sys%,%cpu2-cpuused-io%,%cpu2-cpuused-irg%,%cpu2cpuused-idle%,%cpu3-cpubusy%,%cpu3-cpuidle%,%cpu3-numproc%,%cpu3-memused%,%cpu3memtotal%,%cpu3-cpuused-user%,%cpu3-cpuused-sys%,%cpu3-cpuused-io%,%cpu3cpuused-irq%,%cpu3-cpuused-idle%,%15avg-cpubusy%,%15peak-cpubusy%,%5avgcpubusy%,%5peak-cpubusy%,%1avg-cpubusy%,%15avg-memused%,%15peak-memused%,%5avgmemused%, %5peak-memused%, %1avg-memused%, %cpu0-15avg-cpubusy%, %cpu0-15peakcpubusy%,%cpu0-5avg-cpubusy%,%cpu0-5peak-cpubusy%,%cpu0-1avg-cpubusy%,%cpu0-15avg-memused%,%cpu0-15peak-memused%,%cpu0-5avg-memused%,%cpu0-5peakmemused%,%cpu0-1avg-memused%,%cpu1-15avg-cpubusy%,%cpu1-15peak-cpubusy%,%cpu1-5avg-cpubusy%,%cpu1-5peak-cpubusy%,%cpu1-1avg-cpubusy%,%cpu1-15avgmemused%,%cpu1-15peak-memused%,%cpu1-5avg-memused%,%cpu1-5peak-memused%,%cpu1-1avg-memused%,%cpu2-15avg-cpubusy%,%cpu2-15peak-cpubusy%,%cpu2-5avgcpubusy%,%cpu2-5peak-cpubusy%,%cpu2-1avg-cpubusy%,%cpu2-15avg-memused%,%cpu2-15peak-memused%, %cpu2-5avg-memused%, %cpu2-5peak-memused%, %cpu2-1avgmemused%,%cpu3-15avg-cpubusy%,%cpu3-15peak-cpubusy%,%cpu3-5avg-cpubusy%,%cpu35peak-cpubusy%,%cpu3-1avg-cpubusy%,%cpu3-15avg-memused%,%cpu3-15peakmemused%,%cpu3-5avg-memused%,%cpu3-5peak-memused%,%cpu3-1avg-memused%,%tasksessmgr-num%

card schema cardSch2 format EMS, Card2, %date%, %time%, %card%, %tasksessmgr-avgcpu%, %task-sessmgr-avgmem%, %task-sessmgr-maxcpu%, %task-sessmgrmaxmem%, %task-al1mgr-num%, %task-al1mgr-maxcpu%, %task-al1mgr-maxmem%, %taskl2tpmgr-num%, %task-l2tpmgr-maxcpu%, %task-l2tpmgr-maxmem%, %task-famgr-num%, %taskfamgr-maxcpu%, %task-famgr-maxmem%, %task-hamgr-num%, %task-hamgr-maxcpu%, %taskhamgr-maxmem%, %task-acsmgr-num%, %task-acsmgr-avgcpu%, %task-acsmgr-avgmem%, %taskacsmgr-maxcpu%, %task-acsmgr-maxmem%, %task-vpnmgr-num%, %task-vpnmgrmaxcpu%, %task-vpnmgr-maxmem%

port schema portSch1 format

EMS, Port, %date%, %time%, %card%, %port%, %rxbytes%, %txbytes%, %ucast_inpackets%, %ucas t_outpackets%, %mcast_inpackets%, %mcast_outpackets%, %bcast_inpackets%, %bcast_outp ackets%, %rxpackets%, %txpackets%, %rxdiscbytes%, %rxdiscpackets%, %txdiscbytes%, %txd iscpackets%, %maxrate%, %frag-rcvd%, %pkt-reassembled%, %frag-tokernel%, %util-rxcurr%, %util-tx-curr%, %util-rx-5min%, %util-tx-5min%, %util-rx-15min%, %util-tx-15min%, %port-5peak-rx-util%, %port-5peak-tx-util%, %port-15peak-rx-util%, %port-15peak-tx-util%

schema systemSch1 format EMS, PDSNSystem, %date%, %time%, %sessttlarrived%,%sess-ttlrejected%,%sess-ttlconnected%,%sess-ttlauthsucc%,%sessttlauthfail%,%sess-ttllcpup%,%sess-ttlipcpup%,%sess-ttlsrcviol%,%sessttlkeepfail%,%sess-curttlcalls%,%sess-cursipconn%,%sess-curmipconn%,%sesscuractcall%,%sess-curdormcall%,%sess-curarrived%,%sess-curlcpnegot%,%sesscurlcpup%,%sess-curauth%,%sess-curauthed%,%sess-curipcpup%,%sess-curdisc%,%a11ttlarrived%,%a11-ttlrejected%,%a11-ttldemult%,%a11-ttldereg%,%a11curactive%,%fa-ttlarrived%,%fa-ttlrejected%,%fa-ttldemult%,%fa-ttldereg%,%facuractive%,%ha-ttlarrived%,%ha-ttlrejected%,%ha-ttldemult%,%ha-ttldereg%,%hacuractive%,%sess-calldur-1min%,%sess-calldur-2min%,%sess-calldur-5min%,%sesscalldur-15min%, %sess-calldur-1hour%, %sess-calldur-4hour%, %sess-calldur-12hour%,%sess-calldur-24hour%,%sess-calldur-over24hour%,%sess-setuptime-100ms%,%sess-setuptime-200ms%,%sess-setuptime-300ms%,%sess-setuptime-400ms%, %sess-setuptime-500ms%, %sess-setuptime-600ms%, %sess-setuptime-700ms%, %sess-setuptime-800ms%, %sess-setuptime-900ms%, %sess-setuptime-1sec%, %sess-setuptime-2sec%, %sess-setuptime-3sec%, %sess-setuptime-4sec%, %sesssetuptime-6sec%, %sess-setuptime-8sec%, %sess-setuptime-10sec%, %sess-setuptime-12sec%,%sess-setuptime-14sec%,%sess-setuptime-16sec%,%sess-setuptimeover16sec%, %incremental%, %enddate%, %endtime%, %localenddate%, %localendtime%, %sess -ttlfailed%,%uptime%,%uptimestr%,%lic-pdsn%,%lic-ha%,%lic-ggsn%,%lic-12tplns%,%sess-txbytes%,%sess-rxbytes%,%sess-txpackets%,%sess-rxpackets%,%sesssiptxbytes%,%sess-siprxbytes%,%sess-miptxbytes%,%sess-miprxbytes%,%aaattlreq%,%aaa-curreq%,%aaa-ttlauthreq%,%aaa-curauthreq%,%aaa-ttlauthprobe%,%aaacurauthprobe%, %aaa-ttlacctreq%, %aaa-curacctreq%, %aaa-ttlauthsucc%, %aaattlauthfail%,%aaa-ttlauthpurged%,%aaa-ttlauthcancelled%,%aaattlauthdmuchal%, %aaa-ttlradauthreq%, %aaa-curradauthreq%, %aaattlradauthreqretried%, %aaa-ttllclauthreq%, %aaa-curlclauthreq%, %aaattlpseudoauthreq%, %aaa-curpseudoauthreq%, %aaa-ttlauthnulluser%, %aaattlacctsucc%, %aaa-ttlacctpurged%, %aaa-ttlacctcancelled%, %aaattlradacctreq%, %aaa-ttlradacctreqretried%, %disc-reason-summary%, %sesscuraaaactive%,%sess-curaaadeleting%,%sess-curaaaacctpending%,%sess-

ttlemptyfwd%,%sess-ttlemptyrev%,%sess-ttlonlineprepaiderr%,%sessttlprepaidinitautherr%,%sess-ttlcrprpattempt%,%sess-ttlcrprpsuccess%,%sessttlrpcrpattempt%,%sess-ttlrpcrpsuccess%,%sess-curpmipconn%,%sesscurl2tplacconn%,%sess-curalwayson%,%sess-curbcmcsauth%,%sesscurbcmcsconn%, %sess-curhaipsecconn%, %sess-curl2tplacconnecting%, %sesscurpdptypeipconn%, %sess-curpdptypepppconn%, %sess-curprepaid%, %sess-rxpkt-1023%, %sess-rxpkt-127%, %sess-rxpkt-16%, %sess-rxpkt-2047%, %sess-rxpkt-255%, %sessrxpkt-4095%,%sess-rxpkt-4500%,%sess-rxpkt-511%,%sess-rxpkt-64%,%sess-rxpktover4500%, %sess-ttldisconn%, %sess-ttlhandoff%, %sess-ttlonlineauthfail%, %sessttlonlineauthreq%,%sess-ttlonlineauthsucc%,%sess-ttlprepaid%,%sess-ttlproxydnsdrop%,%sess-ttlproxydns-passthru%,%sess-ttlproxydns-redirect%,%sessttlrenewal%,%sess-txpkt-1023%,%sess-txpkt-127%,%sess-txpkt-16%,%sess-txpkt-2047%,%sess-txpkt-255%,%sess-txpkt-4095%,%sess-txpkt-4500%,%sess-txpkt-511%,%sess-txpkt-64%,%sess-txpkt-over4500%,%aaa-ttlauthkeepalive%,%aaacurauthkeepalive%, %aaa-ttlacctkeepalive%, %aaa-curacctkeepalive%, %aaattlauthkeepalivesuccess%, %aaa-ttlauthkeepalivefailure%, %aaattlauthkeepalivepurged%,%aaa-ttlacctkeepalivesuccess%,%aaattlacctkeepalivetimeout%, %aaa-ttlacctkeepalivepurged%, %ipsg-total-callarrived%,%ipsg-total-call-rejected%,%ipsg-total-call-demult%,%ipsg-total-deregrep-sent%,%ipsg-cur-active-call%,%ipsg-total-active-serv%

schema systemSch2 format EMS, PDSNSystem2, %date%, %time%, %asngwcur-active-call%, %asngw-total-sess-setup%, %asngwretriesexhaust%, %asngw.sfs%, %asngw.tidfail%, %asngw-handoffattempt%, %asngwhandoffdenied%, %asngw-handoffcomp%, %asngw.authsucc%, %asngw-authfailures%, %sessttlcallop%,%sess-curnonanchorconn%,%sess-curdhcppending%,%sessttlinterasngwattempt%, %sess-ttlinterasngwsuccess%, %sessttlintraasngwattempt%,%sess-ttlintraasngwsuccess%,%sess-ttlconnected-1xrtt%,%sess-txbytes-1xrtt%,%sess-rxbytes-1xrtt%,%sess-txpackets-1xrtt%,%sessrxpackets-1xrtt%,%sess-ttlconnected-evdorev0%,%sess-txbytes-evdorev0%,%sessrxbytes-evdorev0%,%sess-txpackets-evdorev0%,%sess-rxpackets-evdorev0%,%sessttlconnected-evdoreva%,%sess-txbytes-evdoreva%,%sess-rxbytes-evdoreva%,%sesstxpackets-evdoreva%,%sess-rxpackets-evdoreva%,%flow-ttlestab%,%flowttldisconn%,%flow-curdynamic%,%pdif-cursess%,%pdif-curactive%,%pdifcurdormant%, %pdif-ttlsetup%, %sess-15peak-curactcall%, %sess-15peakcurttlcall%,%sess-cursipactive%,%sess-15peak-cursipactive%,%sesscurmipactive%,%sess-15peak-curmipactive%,%a11-15peak-curactive%,%crpcuractive%,%crp-15peak-curactive%,%fa-15peak-curactive%,%ha-15peakcuractive%,%flow-15peak-curdynamic%,%sess-15min-usageactive%,%sess-15minusageall%,%cc-cursess%,%cc-ttlecsadd%,%cc-ttlstart%,%cc-ttlsessupd%,%ccttlterm%,%cc-sessfailover%,%cc-msg-recv%,%cc-msg-sent%,%cc-msg-request%,%cc-msganswer%,%cc-msg-ccrinit%,%cc-msg-ccainit%,%cc-msg-ccainitaccept%,%cc-msgccainitreject%,%cc-msg-ccainittimeout%,%cc-msg-ccrupdate%,%cc-msgccaupdate%,%cc-msg-ccaupdatetimeout%,%cc-msg-ccrfinal%,%cc-msg-ccafinal%,%ccmsg-ccafinaltimeout%, %cc-msg-asr%, %cc-msg-asa%, %cc-msg-rar%, %cc-msg-raa%, %ccmsg-ccadropped%, %cc-msgerr-proto%, %cc-msgerr-badanswer%, %cc-msgerrunknownsess%,%cc-msgerr-unknowncomm%,%cc-msgerr-reqtimeout%

schema systemSch3 format EMS, PDSNSystem3, %date%, %time%, %ccmsgerr-parse%, %cc-msgerr-unkratinggrp%, %cc-msgerr-unkrulebase%, %cc-msgerrunkfailure%, %cc-upd-threshold%, %cc-upd-qht%, %cc-upd-final%, %cc-updquotaexhaust%, %cc-upd-validitytime%, %cc-upd-otherquota%, %cc-updratingchange%, %cc-upd-forcedreauth%, %cc-term-diamlogout%, %cc-termservnotprov%,%cc-term-badanswer%,%cc-term-admin%,%cc-term-linkbroken%,%cc-termauthexpired%,%cc-term-usermoved%,%cc-term-sesstimeout%,%cc-traf-catcreate%,%cctraf-catdelete%,%cc-traf-catlookup%,%cc-traf-hits%,%cc-traf-misses%,%cc-traftriggerevent%,%cc-traf-finalunit%,%cc-traf-catsuccess%,%cc-traf-ratingfail%,%cctraf-servdenied%,%cc-traf-limitreached%,%cc-traf-authreject%,%cc-trafothererror%,%cf-static-ratereq%,%cf-static-ratesucc%,%cf-static-rateblock%,%cfstatic-ratefail%,%cf-static-ratefail-nr%,%cf-static-ratefail-notindb%,%cf-dynratereq%,%cf-dyn-ratesucc%,%cf-dyn-rateblock%,%cf-dyn-ratefail%,%cfratereq%,%cf-ratesucc%,%cf-rateblock%,%cf-ratefail%,%ikev2-cursa%,%ikev2cursainit%,%ikev2-cursaresp%,%ikev2-ttlsa%,%ikev2-ttlsainit%,%ikev2ttlsaresp%,%ikev2-attempt%,%ikev2-attemptinit%,%ikev2-attemptresp%,%ikev2rxpacket%,%ikev2-txpacket%,%ikev2-rxoctet%,%ikev2-txoctet%,%ikev2initfail%,%ikev2-initfail-noresp%,%ikev2-initfail-resp%,%ikev2invcookie%,%ikev2-nattkeepalive-recv%,%ikev2-nattkeepalive-send%,%ikev2-dpdrecv%,%ikev2-dpd-send%,%ikev2-dpd-recv-reply%,%ikev2-dpd-send-reply%,%ikev2-dpdtimeout%,%ikev2-dpd-disconnect%,%ikev2-dpd-p1rekey%,%lic-combo-phone%,%licecsv2%,%lic-ipservices-gateway%,%lic-evdoreva-pdsn%,%lic-scm-proxyregistrarietfrfc3261%, %lic-scm-proxypcscf%, %lic-scm-servingscscf%, %lic-scminterrogatingicscf%,%lic-asngw%,%lic-asnlr%,%cf-cache-hits%,%cf-cachemisses%,%cf-cache-has-path-hits%,%cf-cache-flushes%,%sess-curimsauthorized%

schema systemSch4 format EMS, PDSNSystem4, %date%, %time%, %sesscurimsauthorizing%, %pdif-curchildsa%, %ikev2-ikesadel%, %ikev2-ikesadelreprecv%,%ikev2-ikesadelrep-sent%,%ikev2-ikesadelreq-recv%,%ikev2-ikesadelreqsent%,%ipsec-dpd-p1rekey%,%url-blacklisting-hits%,%url-blacklistingmisses%,%ikev2-curikev2sa%,%ikev2-curhalfsa%,%ikev2-curconnsa%,%ikev2curestsa%,%ikev2-curchildsa%,%ikev2-exp-retran%,%ikev2-exp-setupnoxchg%,%ikev2exp-setup%,%ikev2-exp-lifesoft%,%ikev2-exp-lifehard%,%ikev2-expchildsetupnoxchg%,%ikev2-exp-childlifesoft%,%ikev2-exp-childlifehard%,%ikev2auth-p1succ%,%ikev2-auth-p1fail%,%ikev2-auth-p1req%,%ikev2-auth-p1rsp%,%ikev2auth-p2succ%,%ikev2-auth-p2fail%,%ikev2-auth-p2req%,%ikev2-auth-p2rsp%,%ikev2auth-p2succmd5%,%ikev2-auth-p2failmd5%,%ikev2-auth-p2succgtc%,%ikev2-authp2failgtc%,%ikev2-auth-failhash%,%ikev2-auth-failsign%,%ikev2-authfailmskmiss%,%ikev2-auth-failmissanother%,%ikev2-xchg-droprspnoikesa%,%ikev2xchg-dropinvrsp%,%ikev2-xchg-dropnoninitnoikesa%,%ikev2-xchgdropinvmsgid%,%ikev2-xchg-dropinvmajver%,%ikev2-xchg-dropikesaerr%,%ikev2-xchgdropunkcrit%,%ikev2-xchg-dropretransdisc%,%ikev2-notif-cooksent%,%ikev2-notifcookrecv%,%ikev2-notif-cookmatch%,%ikev2-notif-cooknotmatch%,%ikev2-notifmultauthsupp%,%ikev2-notif-anothauth%,%ikev2-rekey-ikesareqsent%,%ikev2-rekeyikesareqrcvd%,%ikev2-rekey-ikesarspsent%,%ikev2-rekey-ikesarsprcvd%,%ikev2rekey-ikesaignored%,%ikev2-rekey-childsareqsent%,%ikev2-rekeychildsareqrecv%,%ikev2-rekey-childsarspsent%,%ikev2-rekeychildsarsprecv%,%ikev2-rekey-childsaignored%,%ikev2-mobike-sent%,%ikev2-mobikerecv%,%ikev2-mobike-ignored%,%ikev2-misc-ikesacrefail%,%ikev2-miscsaflowopfail%,%ikev2-notifpaysent-invke%,%ikev2-notifpaysent-invmajver%,%ikev2notifpaysent-invmsgid%,%ikev2-notifpaysent-invsyn%,%ikev2-notifpaysent-noprop%

schema systemSch5 format EMS, PDSNSystem5, %date%, %time%, %ikev2notifpaysent-tsunaccept%, %ikev2-notifpaysent-unsuppcrit%, %ikev2-notifpaysentintfail%, %ikev2-notifpayrecv-invke%, %ikev2-notifpayrecv-invmajver%, %ikev2notifpayrecv-invsyn%, %ikev2-notifpayrecv-
noprop%,%ikev2-notifpayrecv-tsunaccept%,%ikev2-notifpayrecv-unsuppcrit%,%ikev2decfail-pktfail%,%ikev2-decfail-interr%,%ikev2-decfail-iphdr%,%ikev2-decfailudphdr%,%ikev2-decfail-ikehdr%,%ikev2-decfail-ikehdrpay%,%ikev2-decfailikehdrinitspi%,%ikev2-decfail-ikehdrrspspi%,%ikev2-decfail-ikehdrmajver%,%ikev2decfail-ikehdrminver%,%ikev2-decfail-ikehdrxchgtyp%,%ikev2-decfailikehdrrecvflag%,%ikev2-decfail-ikehdrlen%,%ikev2-decfail-syn%,%ikev2-decfailpaysyn%,%ikev2-decfail-paylen%,%ikev2-decfail-unkcritpay%,%ikev2-decfailtoomanypay%,%ikev2-decfail-sapaylen%,%ikev2-decfail-saprophdr%,%ikev2-decfailsaprophdrrecv%,%ikev2-decfail-toomanytrans%,%ikev2-decfail-saprophdrlen%,%ikev2decfail-toomanyprop%,%ikev2-decfail-1stsapropnum%,%ikev2-decfailsaprotid%,%ikev2-decfail-sapropnum%,%ikev2-decfail-translen%,%ikev2-decfailtranshdr%,%ikev2-decfail-transhdrrecv%,%ikev2-decfail-transtype%,%ikev2-decfailtransid%,%ikev2-decfail-kepaylen%,%ikev2-decfail-kedhgrp%,%ikev2-decfailkedhgrplen%,%ikev2-decfail-idpaylen%,%ikev2-decfail-idpaytype%,%ikev2-decfailauthpaylen%,%ikev2-decfail-noncepaylen%,%ikev2-decfail-notifpaylen%,%ikev2decfail-notifpayspilen%,%ikev2-decfail-notifpaynat%,%ikev2-decfailnotifpayprotid%,%ikev2-decfail-eappaylen%,%ikev2-decfail-notifpayrekey%,%ikev2decfail-cppaylen%,%ikev2-decfail-notifpaycook%,%ikev2-decfail-tspaylen%,%ikev2decfail-cppayattrlen%,%ikev2-decfail-tspayrecv%,%ikev2-decfailencrpaylen%,%ikev2-decfail-tspaytstype%,%ikev2-decfail-unsuppcritpay%,%ikev2decfail-unsuppcertpay%

schema systemSch6 format EMS, PDSNSystem6, %date%, %time%, %ikev2decfail-unsuppnotifprotah%,%ikev2-decfail-unsuppauthmeth%,%ikev2-decfailunsupppaycritvid%,%ikev2-decfail-unsuppmeth%,%ikev2-decfail-unkerr%,%ikev2decfail-unsuppsapayprotah%, %ikev2-decfail-unsupptspaytsnum%, %ikev2-decfailunsupptspaytstype%,%ikev2-decfail-unsupptspaytsprot%,%ikev2-decfailcppaynoipattr%,%ikev2-decfail-cppayunkattr%,%ikev2-decryptfail%,%ikev2decryptfail-hmac%,%ikev2-decryptfail-pad%,%ikev2-xchg-badmsgid%,%ikev2-xchgbadresp%,%ikev2-xchg-stalemsgid%,%ikev2-xchg-unkerr%,%ikev2-xchgstatelookfail%,%ikev2-notifrecv-unsuppcritpay%,%ikev2-notifrecvinvikespi%, %ikev2-notifrecv-invmajver%, %ikev2-notifrecv-invsyn%, %ikev2notifrecv-invmsgid%,%ikev2-notifrecv-invspi%,%ikev2-notifrecvnopropchosen%,%ikev2-notifrecv-invkepay%,%ikev2-notifrecv-authfail%,%ikev2notifrecv-singpairreq%,%ikev2-notifrecv-noaddsa%,%ikev2-notifrecvintaddrfail%,%ikev2-notifrecv-failcpreq%,%ikev2-notifrecv-tsunaccept%,%ikev2notifrecv-invsel%,%ikev2-notifrecv-unacceptaddr%,%ikev2-notifrecvmultiauthsupp%,%ikev2-notifrecv-anothauthfoll%,%ikev2-notifrecvunexpectnat%,%ikev2-notifrecv-macauthfail%,%ikev2-notifrecvhsserrusrunk%,%ikev2-notifrecv-initcont%,%ikev2-notifrecv-windsiz%,%ikev2notifrecv-addtsposs%,%ikev2-notifrecv-ipcompsupp%,%ikev2-notifrecvnatdetsrcip%,%ikev2-notifrecv-natdetdstip%,%ikev2-notifrecv-cookie%,%ikev2notifrecv-usetransmode%,%ikev2-notifrecv-httpcertsupp%,%ikev2-notifrecvrekeysa%,%ikev2-notifrecv-nonfirstfragalso%,%ikev2-notifrecv-mobikesupp%,%ikev2notifrecv-addip4addr%,%ikev2-notifrecv-addip6addr%,%ikev2-notifrecvnoaddaddr%,%ikev2-notifrecv-updsaaddr%,%ikev2-notifrecv-cookie2%,%ikev2notifrecv-nonatallow%,%ikev2-notifrecv-other%,%ikev2-notifrecvsipfallbnotallow%,%ikev2-notifrecv-esptfcpadnotsupp%

schema systemSch7 format EMS, PDSNSystem7, %date%, %time%, %ikev2notifrecv-congrejrecv%, %ikev2-cert-reqsent%, %ikev2-cert-reqrecv%, %ikev2-certsent%, %ikev2-cert-recv%, %crypto-txesppacket%, %crypto-txespoctet%, %crypto-

txahpacket%,%crypto-txahoctet%,%crypto-rxesppacket%,%crypto-rxespoctet%,%cryptorxahpacket%,%crypto-rxahoctet%,%crypto-errauthpacket%,%cryptoerrauthoctet%,%crypto-errbadrecpacket%,%crypto-errbadrecoctet%,%cryptoerrdiscpacket%,%crypto-errdiscoctet%,%crypto-errignpacket%,%cryptoerrignoctet%,%crypto-errunderrunpacket%,%crypto-errunderrunoctet%,%cryptoerrinvpacket%,%crypto-errinvoctet%,%crypto-errreplaypacket%,%cryptoerrreplayoctet%,%sess-total-curr%,%sess-total-setup%,%total-released%,%dhcp-msgdiscover-rx%,%dhcp-msg-discover-retried-rx%,%dhcp-msg-offer-rx%,%dhcp-msg-offertx%,%dhcp-msg-request-rx%,%dhcp-msg-request-renewal-rx%,%dhcp-msg-ack-tx%,%dhcpmsg-ack-renewing-tx%,%dhcp-msg-nak-tx%,%dhcp-msg-release-tx%,%dhcpcurservsess%,%dhcp-ttlservsess%,%dhcp-servdisc-admin%,%dhcp-servdisccallterm%,%dhcp-servdisc-leasetmo%,%dhcp-servdisc-other%,%phsgw-3partyauthsucc%, %phsgw-3partyauthfailures%, %sess-maxpdsn%, %sess-maxha%, %sessmaxl2tplns%,%sess-maxecsv2%,%sess-maxevdoreva-pdsn%,%lic-ipsg%,%sessmaxipsg%,%sess-maxasngw%,%sess-maxasnlr%,%sess-curaaaacctitemsused%,%sesscuraaaacctitemsmax%,%sess-curaaabuffused%,%sess-curaaabuffmax%,%sessttlaaacancauth%,%sess-ttlaaaacctpurged%,%sess-ttlradacctpurged%,%aaacurallocreg%, %aaa-curmaxreg%, %aaa-ttldiamauthreg%, %aaa-curdiamauthreg%, %aaattldiamauthreqretried%, %aaa-ttldiamauthreqdrop%, %aaa-ttlradauthrspdrop%, %aaattlradacctcancelled%,%aaa-ttlradacctpurged%,%aaa-ttlradacctrspdropped%,%aaattlmgrpurgedrequests%,%diamauth-msg-mareq%,%diamauth-msg-maans%,%diamauth-msgmarretry%

schema systemSch8 format EMS, PDSNSystem8, %date%, %time%, %diamauthmsg-maatimeout%,%diamauth-msg-maadropped%,%diamauth-msg-sareq%,%diamauth-msgsaans%,%diamauth-msg-sarretry%,%diamauth-msg-saatimeout%,%diamauth-msgsaadropped%, %diamauth-msg-uareq%, %diamauth-msg-uaans%, %diamauth-msguarretry%, %diamauth-msg-uaatimeout%, %diamauth-msg-uaadropped%, %diamauth-msglireq%,%diamauth-msg-lians%,%diamauth-msg-lirretry%,%diamauth-msgliatimeout%,%diamauth-msg-liadropped%,%diamauth-msg-rtreq%,%diamauth-msgrtans%,%diamauth-msg-rtrreject%,%diamauth-msg-ppreq%,%diamauth-msgppans%,%diamauth-msg-pprreject%,%diamauth-msg-dereq%,%diamauth-msgdeans%,%diamauth-msg-deaaccept%,%diamauth-msg-deareject%,%diamauth-msgderretry%, %diamauth-msg-deatimeout%, %diamauth-msg-deadropped%, %diamauth-msgasr%,%diamauth-msg-asa%,%diamauth-msg-rar%,%diamauth-msg-raa%,%diamauth-msgstr%,%diamauth-msg-sta%,%diamauth-msg-strretry%,%diamauth-demsgerrproto%,%diamauth-demsgerr-badans%,%diamauth-demsgerr-unksessreq%,%diamauthdemsgerr-unkcmd%,%diamauth-demsgerr-reqtmo%,%diamauth-demsgerr-parse%,%diamauthdemsgerr-reqretry%,%diamauth-strterm-logout%,%diamauth-strtermnoserv%, %diamauth-strterm-badans%, %diamauth-strterm-admin%, %diamauth-strtermlinkbroken%,%diamauth-strterm-authexp%,%diamauth-strterm-usermoved%,%diamauthstrterm-sesstmo%,%diamauth-strterm-userreq%,%diamauth-strtermlostcarrier%,%diamauth-strterm-lostsvc%,%diamauth-strterm-idletmo%,%diamauthstrterm-nastmo%,%diamauth-strterm-adminreset%,%diamauth-strtermadminreboot%,%diamauth-strterm-port%,%diamauth-strterm-naserr%,%diamauthstrterm-nasreq%,%diamauth-strterm-nasreboot%

schema systemSch9 format EMS, PDSNSystem9, %date%, %time%, %diamauthstrterm-portunneed%, %diamauth-strterm-portpreempt%, %diamauth-strtermportsusp%, %diamauth-strterm-svcunavail%, %diamauth-strterm-cback%, %diamauthstrterm-user%, %diamauth-strterm-hostreq%, %diamacct-msg-acreq%, %diamacct-msgacans%, %diamacct-msg-acrstart%, %diamacct-msgacrstartretry%,%diamacct-msg-acastarttmo%,%diamacct-msg-acrinterim%,%diamacctmsg-acainterim%,%diamacct-msg-acrinterimretry%,%diamacct-msgacainterimtmo%,%diamacct-msg-acrevent%,%diamacct-msg-acaevent%,%diamacct-msgacrstop%,%diamacct-msg-acastop%,%diamacct-msg-acrstopretry%,%diamacct-msgacastoptmo%,%diamacct-msg-acadropped%,%diamacct-acmsgerr-proto%,%diamacctacmsgerr-badans%,%diamacct-acmsgerr-unksessreq%,%diamacct-acmsgerrunkcmdcode%,%diamacct-acmsgerr-regtmo%,%diamacct-acmsgerr-parse%,%diamacctacmsgerr-reqretry%,%ike-udpflows%,%ike-cookieflows%,%ike-txpackets%,%ikerxpackets%,%ike-reqrecv%,%ike-udpflowpackets%,%ike-cookieflowpackets%,%ikev2congrej%,%ikev2-congdrop%,%ikev2-unkxchgspi%,%ikev2-notifpaysentnoaddsa%,%ikev2-notifpayrecv-noaddsa%,%phsgw-retriesexhaust%,%phsgw-uplinksfs%,%phsgw-downlink-sfs%,%phspc-retriesexhaust%,%phspc-cursess%,%phspc-totalsess-setup%,%phspc-tidfail%,%phspc-locupdate-attempt%,%phspc-locupdatedenied%,%phspc-locupdate-comp%,%phspc-paging-attempt%,%phspc-pagingsucc%, %phsgw-cursess%, %phsgw-cur-active-call%, %phsgw-total-sess-setup%, %phsgwtidfail%,%phsgw-handoffattempt%,%phsgw-handoffdenied%,%phsgwhandoffcomp%, %phsgw-authsucc%, %phsgw-authfailures%, %dhcp-msg-release-rx%, %sesssetuptime-18sec%, %sess-setuptime-over18sec%, %lic-combo-3g4g-gw%, %sslcursess%,%ssl-curconninit%,%ssl-curconnresp%,%ssl-curconnected%,%sslcurconnfail%, %ssl-curconnecting%, %ssl-conclosesent%, %ssl-conclosercvd%, %sslcachehits%

schema systemSchA format EMS, PDSNSystemA, %date%, %time%, %sslcachemiss%, %ssl-cachetimeout%, %ssl-cachefull%, %ssl-cachetotalsess%, %ssltxrecord%,%ssl-txmsg%,%ssl-txbyte%,%ssl-rxrecord%,%ssl-rxmsg%,%ssl-rxbyte%,%sslencerr%, %ssl-decerr%, %ssl-decryerr%, %ssl-autherr%, %ssl-failinithserr%, %sslfailtimeouthserr%, %ssl-failresphserr%, %ssl-alertrecv%, %ssl-alertrecvunexpmsg%, %ssl-alertrecv-badrecmac%, %ssl-alertrecv-decryfail%, %ssl-alertrecvcompfail%,%ssl-alertrecv-recoflow%,%ssl-alertrecv-handshake%,%ssl-alertrecvillparm%,%ssl-alertrecv-certunsupp%,%ssl-alertrecv-certbad%,%ssl-alertrecvcertexpir%, %ssl-alertrecv-certrevok%, %ssl-alertrecv-certunk%, %ssl-alertrecvaccdeny%,%ssl-alertrecv-decode%,%ssl-alertrecv-decryerr%,%ssl-alertrecvexport%,%ssl-alertrecv-protover%,%ssl-alertrecv-interr%,%ssl-alertrecvinsuffsec%,%ssl-alertrecv-usercanc%,%ssl-alertrecv-noreneg%,%ssl-alertrecvunknownca%,%ssl-alertsent%,%ssl-alertsent-unexpmsg%,%ssl-alertsentbadrecmac%, %ssl-alertsent-decryfailed%, %ssl-alertsent-recoflow%, %ssl-alertsenthandshake%, %ssl-alertsent-illparam%, %ssl-alertsent-accdenied%, %ssl-alertsentdecodeerror%, %ssl-alertsent-decrypterror%, %ssl-alertsent-export%, %ssl-alertsentprotover%, %ssl-alertsent-interr%, %ssl-alertsent-noregen%, %ssl-alertsent-unknown%

ppp schema pppSch1 format

EMS, PPP1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %init%, %reneg%, %success%, %fa iled%, %released%, %released-local%, %released-remote%, %lcp-fail-maxretry%, %lcpfail-option%, %ipcp-fail-maxretry%, %ipcp-fail-option%, %fail-ccp%, %failauth%, %entered-lcp%, %entered-auth%, %entered-ipcp%, %reneg-pdsn%, %renegmobile%, %reneg-addrmis%, %reneg-other%, %auth-attempt-chap%, %auth-attemptppp%, %auth-attemp-mschap%, %auth-success-chap%, %auth-success-pap%, %auth-successmschap%, %auth-fail-chap%, %auth-fail-pap%, %auth-fail-mschap%, %comp-stac%, %compmppc%, %comp-defl%, %rcverr-basfcs%, %rcverr-unknproto%, %rcverr-badaddr%, %rcverrbadctrl%, %comp-vjhdr%, %disc-lcp-remote%, %disc-rp-remote%, %disc-admin%, %discidle-timeout%, %disc-abs-timeout%, %disc-ppp-keepalive%, %disc-no-resource%, %discmisc%, %remote-term%, %misc-fail% ppp schema pppSch2 format

EMS, PPP2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %fail-reneg%, %lcp-failunknown%, %ipcp-fail-unknown%, %abort-auth%, %rp-disc%, %success-lcp%, %successauth%, %reneg-rp_handoff%, %reneg-update%, %auth-abort-chap%, %auth-abortpap%, %auth-abort-mschap%, %sess-skip-auth%, %comp-sess-neg%, %comp-sess-negfail%, %disc-rp-local%, %disc-add-flow-fail%, %disc-maxretry-lcp%, %disc-maxretryipcp%, %disc-max-setup-time%, %disc-bad-dest-vpn%, %disc-opt-neg-lcp%, %disc-optneg-ipcp%, %disc-no-remoteaddr%, %disc-typedetect-fail%, %disc-bad-src-addr%, %discremote%, %disc-long-timeout%, %disc-auth-fail%, %lcpecho-req-total%, %lcpecho-reqresent%, %lcpecho-rep-recved%, %lcpecho-timeout%, %recverr-ctrl-field%, %recverrbad-length%, %in-oct%, %in-ucast%, %in-nucast%, %in-pkt%, %in-discard%, %out-discardoct%, %out-oct%, %out-ucast%, %out-pkt%, %out-discard%, %out-discardoct%, %lcpvse-proto-reject%, %lcpvse-req-maxreach%, %svctype%, %conn-sessreneg%, %comp-rohchdr%, %altppp-connected%, %reneg-rp-handoff%, %auth-attemptpap%, %auth-attempt-mschap%

fa schema mipfaSch1 format

EMS, MIPFA1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %advert-send%, %discexpiry%,%disc-dereg%,%disc-admin%,%auth-attempt%,%auth-success%,%authfailure%,%recv-total%,%recv-initial%,%recv-renewal%,%recv-dereg%,%accepttotal%,%accept-initial%,%accept-renewal%,%accept-dereg%,%denied-total%,%deniedinitial%,%denied-renewal%,%denied-dereg%,%discard-total%,%discardinitial%,%discard-renewal%,%discard-dereg%,%relayed-total%,%relayedinitial%,%relayed-renewal%,%relayed-dereg%,%authfail-total%,%authfailinitial%,%authfail-renewal%,%authfail-dereg%,%denied-pdsn-total%,%denied-pdsninitial%,%denied-pdsn-renewal%,%denied-pdsn-dereg%,%denied-ha-total%,%denied-hainitial%,%denied-ha-renewal%,%denied-ha-dereg%,%denied-pdsn-unspec%,%deniedpdsn-timeout%,%denied-pdsn-admin%,%denied-pdsn-resource%,%denied-pdsnmnauth%,%denied-pdsn-haauth%,%denied-pdsn-lifetoolong%,%denied-pdsnbadreq%,%denied-pdsn-badreply%,%denied-pdsn-missnai%,%denied-pdsnmisshomeagent%,%denied-pdsn-misshomeaddr%,%denied-pdsn-unkchallange%,%deniedpdsn-misschallenge%,%denied-pdsn-stalechallenge%,%denied-pdsnmntoodistant%,%denied-pdsn-styleunavail%,%denied-pdsn-hanetunreach%,%deniedpdsn-hahostunreach%

fa schema mipfaSch2 format

EMS, MIPFA2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %denied-pdsnhaportunreach%, %denied-pdsn-haunreach%, %denied-pdsn-invcoa%, %denied-pdsnencapunavail%, %denied-pdsn-revtununavail%, %denied-pdsn-revtunmand%, %denied-hafaauth%, %denied-ha-badreq%, %denied-ha-mismatchid%, %denied-ha-simulbind%, %deniedha-unknownha%, %denied-ha-revtununavail%, %replyrcv-total%, %replyrcvtotalrelayed%, %replyrcv-errors%, %replyrcv-initial%, %replyrcvinitialrelayed%, %replyrcv-renewal%, %replyrcv-renewalrelayed%, %replyrcvdereg%, %replyrcv-deregrelayed%, %replysent-total%, %replysentacceptreg%, %replysent-acceptdereg%, %replysent-badreq%, %replysentlifetoolong%, %replysent-mnauthfail%, %replysent-haauthfail%, %replysentadminprohib%, %replysent-noresources%, %replysent-revtununavail%, %replysentrevtunmand%, %replysent-senderrors%, %replysent-mntoodistant%, %replysenthaportunreach%, %replysent-haunreach%, %replysent-regtimeout%, %replysentmissnai%, %replysent-misshomeagent%, %replysent-misshomeaddr%, %replysentunkchallenge%, %replysent-misschallenge%, %replysent-stalechallenge%, %replysentbadreply%, %reqsent-initial%, %reqsent-initial-resend%, %reqsent-initialnoresend%, %reqsent-renew%, %reqsent-renew-resend%, %reqsent-renewnoresend%, %reqsent-dereg%, %reqsent-dereg-resend%, %reqsent-deregnoresend%, %denied-pdsn-unkchallenge%, %denied-pdsn-unknowncvse%, %replysentunspecified%, %replysent-

delstyleunavail%,%ttlprepaid%,%curprepaid%,%ttlonlineauthsucc%,%ttlonlineauthfai
l%,%revoc-sent%,%revoc-retry-sent%,%revoc-ack-recv%,%revoc-timeout%,%revocrecv%,%revoc-ack-sent%

ha schema miphaSch1 format

EMS, MIPHA, %date%, %time%, %vpnname%, %vpnid%, %servname%, %disconnects%, %expiry%, %der eg%, %admindrop%, %recv-total%, %recv-initial%, %recv-renew%, %recv-dereg%, %accepttotal%, %accept-reg%, %accept-renew%, %accept-dereg%, %denied-total%, %deniedinitial%, %denied-renew%, %denied-dereg%, %discard-total%, %reply-total%, %replyacceptreg%, %reply-acceptdereg%, %reply-denied%, %reply-badreq%, %replymismatchid%, %reply-adminprohib%, %reply-unspecerr%, %reply-noresource%, %replymnauthfail%, %reply-faauthfail%, %reply-simulbind%, %reply-unknownha%, %replyrevtununavail%, %reply-revtunmand%, %reply-encapunavail%, %replysenderror%, %farevocation%, %accept-ho%, %denied-ho%, %reply-error%, %numsessions%, %recv-ho%, %revoc-sent%, %miscerror%, %auth-attempt%, %authfailure%, %auth-success%, %auth-real-failure%, %auth-misc-failure%, %replyunknowncvse%, %reply-cong-drop%, %reply-cong-adminprohib%, %reply-congunknownha%, %reply-udp-

encapunavail%,%ttlprepaid%,%curprepaid%,%ttlonlineauthsucc%,%ttlonlineauthfail%, %paaa-query-total%,%paaa-query-accept%,%paaa-query-denied%,%paaa-respsent%,%paaa-resp-found%,%paaa-resp-notfound%,%paaa-resp-poolover%,%paaa-respmisc%,%ipsec-esp-txpackets%,%ipsec-esp-txbytes%,%ipsec-ah-txpackets%,%ipsec-ahtxbytes%,%ipsec-error-txpackets%,%ipsec-error-txbytes%,%ipsec-esprxpackets%,%ipsec-esp-rxbytes%,%ipsec-ah-rxpackets%,%ipsec-ahrxpackets%,%ipsec-error-bytes%,%ipsec-ah-rxpackets%,%ipsec-ereplaypackets%,%ipsec-error-bytes%,%ipsec-replay-packets%,%ipsec-replaybytes%,%ipsec-decode-packets%,%ipsec-decode-bytes%,%ipsec-auth-packets%,%ipsecauth-bytes%,%ipsec-tooshort-packets%,%ipsec-tooshort-bytes%,%ipsec-dpdreqsent%,%ipsec-dpdreq-recv%,%ipsec-dpdreply-sent%,%ipsec-dpdreply-recv%,%ipsecdpdtimeout%,%ipsec-dpddisconn%,%ipsec-dpdrekey%

ha schema miphaSch2 format

EMS, MIPHA2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %ipsec-nattkeepalivesent%, %ipsec-nattkeepalive-recv%, %ipsec-ike-udpflows%, %ipsec-ikecookieflows%, %ipsec-ike-txpackets%, %ipsec-ike-rxpackets%, %ipsec-ikereqrecv%, %ipsec-ike-udpflowpackets%, %ipsec-ike-cookieflowpackets%, %ipsec-curtun%, %ipsec-cur-tunestablished%, %ipsec-ike-fails%, %ipsec-ttl-tun%, %ipsec-ttltunestablished%, %ipsec-call-req-rej%

rp schema rpSch1 format

EMS, RP, %date%, %time%, %vpnname%, %vpnid%, %servname%, %recv-total%, %accepttotal%, %denied-total%, %discard-total%, %accept-initial%, %acceptintrapdsn%, %accept-interpdsn%, %denied-initial%, %accept-renew%, %deniedrenew%, %accept-dereg%, %denied-dereg%, %send-error%, %hash-error%, %decodeerror%, %unhandled%, %seqerror%, %deny-unspec%, %deny-adminprohib%, %denynoresource%, %deny-auth%, %deny-idmismatch%, %deny-badrequest%, %denyunknownpdsn%, %deny-revtununavail%, %deny-revtunreq%, %deny-unrecogvend%, %upd-

total%, %upd-accept%, %upd-denied%, %upd-unack%, %upd-trans%, %upd-retrans%, %updreceived%, %upd-discard%, %upd-senderror%, %upd-upltrinit%, %upd-other%, %updhandoff%, %upddeny-unspec%, %upddeny-adminprohib%, %upddeny-auth%, %upddenyidmismatch%,%upddeny-badrequest%,%sec-violations%,%sec-badauth%,%secbadid%,%sec-badspi%,%sec-mnhaauth%,%sec-regupdate%,%disc-absent%,%discnomem%,%disc-malform%,%disc-authfail%,%disc-bounce%,%disc-inputq%,%discmismatchid%,%disc-invpktlen%,%disc-misc%,%reply-total%,%recv-initial%,%acceptactive-intrapdsn%, %accept-dormant-intrapdsn%, %recv-renew%, %active-startrenew%, %active-stop-renew%, %recv-dereg%, %active-stop-dereg%, %updttlnoretrans%,%upd-ack-received%,%num-sessions%,%deny-sessclosed%,%deny-congdrop%, %deny-cong-adminprohib%, %deny-cong-unknownpdsn%, %sess-numtransmitted%,%sess-accepted%,%sess-denied%,%sess-not-acknowledged%,%sessinitial-update%,%sess-update-retransmitted%,%sess-update-ack-received%,%sessupdate-ack-discarded%,%sess-update-send-error%,%sess-always-onindication%,%sess-reason-unspecified%,%sess-PDSN-auth-fail%,%sess-IDmismatch%,%sess-poorly-formed-update%,%sess-para-not-update%,%sessabsent%, %sess-no-memory%, %sess-malformed%, %sess-auth-fail%, %sess-ID-bounceerror%,%sess-input-Q-exceeded%,%sess-mismatched-ID%,%sess-invalid-packetlength%,%sess-misc-reasons%,%sess-gre-packet-sent-sdb%,%sess-gre-byte-sentsdb%,%ttlprepaid%,%curprepaid%,%ttlonlineauthsucc%,%ttlonlineauthfail%,%discardinitial%,%recv-initial-setupstart%,%accept-initial-setupstart%,%denied-initialsetupstart%,%discard-initial-setupstart%,%discard-renew%,%recv-renewnoairlink%, %accept-renew-noairlink%, %denied-renew-noairlink%, %discard-renewnoairlink%,%recv-renew-activestart%,%accept-renew-activestart%,%denied-renewactivestart%,%discard-renew-activestart%,%recv-renew-activestop%,%accept-renewactivestop%,%denied-renew-activestop%,%discard-renew-activestop%,%discarddereg%, %recv-dereg-noactivestop%, %accept-dereg-noactivestop%, %denied-deregnoactivestop%,%discard-dereg-noactivestop%,%recv-dereg-activestop%,%acceptdereg-activestop%, %denied-dereg-activestop%, %discard-dereg-activestop%, %recvintrapdsn-activeanidhandoff%, %accept-intrapdsn-activeanidhandoff%, %deniedintrapdsn-activeanidhandoff%,%discard-intrapdsn-activeanidhandoff%,%recvintrapdsn-dormantanidhandoff%, %accept-intrapdsn-dormantanidhandoff%, %deniedintrapdsn-dormantanidhandoff%,%discard-intrapdsn-dormantanidhandoff%,%recvinterpdsn-activemeianidhandoff%,%accept-interpdsn-activemeianidhandoff%,%deniedinterpdsn-activemeianidhandoff%,%discard-interpdsn-activemeianidhandoff%,%rxpkt-xoff%, %rx-pkt-xon%, %xontoxoff%, %pkt-dropped-xoff%, %bytes-dropped-xoff%

rp schema rpSch2 format

EMS, RP2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %a10-cursetup%, %a10ttlreleased%, %a10-ttlsetup%, %a10aux-cursetup%, %a10aux-ttlreleased%, %a10auxttlsetup%, %a10main-cursetup%, %a10main-ttlreleased%, %a10main-ttlsetup%, %denybadrequest-alractive%, %deny-badrequest-alrdorm%, %deny-badrequestauthextn%, %deny-badrequest-fieldlen%, %deny-badrequest-flags%, %deny-badrequesthoanonzero%, %deny-badrequest-miscoaaddr%, %deny-badrequest-other%, %denybadrequest-pkttoolong%, %deny-badrequest-pkttooshort%, %deny-badrequestsetupabsent%, %deny-badrequest-sse%, %deny-badrequest-unkextn%, %deny-badrequestvse%, %deny-noresource-allmgrrej%, %deny-noresource-inputq%, %deny-noresourcenomem%, %deny-noresource-sessmgretried%, %deny-unspec-crphandoff%, %denyunspec-intrahandoff%, %deny-unspec-lifezero%, %deny-unspec-noairlink%, %denyunspec-notready%, %deny-unspec-nullpkt%, %reva-rrqdenied%, %reva-rrq-recv%, %reva-rrq-reply%, %rrqdiscard-adminprohib%, %rrqdiscard-

authfail%, %rrqdiscard-bounce%, %rrqdiscard-grekey%, %rrqdiscardinputq%, %rrqdiscard-invlen%, %rrqdiscard-maxsess%, %rrqdiscard-misc%, %rrqdiscardnomem%, %rrqdiscard-nosessmgr%, %rrqdiscard-overload%, %rrqdiscardsmgrdead%, %rrqdiscard-smgrnotready%, %rrqdiscard-unkpdsn%, %sesscurrevasetup%, %sess-cursetup%, %sess-release-dereg%, %sess-release-expiry%, %sessrelease-grekey%, %sess-release-other%, %sess-release-pcfmonfail%, %sess-releaseppplayer%, %sess-ttlreleased%, %sess-ttlrevasetup%, %sess-ttlsetup%, %sessupdackdisc-pktnothand%, %sess-updackdisc-sessdisc%, %sess-upddeniedadminprohib%, %sess-upddenied-handoff%, %sess-upddenied-idnotsupp%, %sessupddenied-noresource%, %sess-updreason-alwayson%, %sess-updreason-qosinfo%, %sessupdreason-qosoptrig%, %sess-updreason-qostftviol%, %sess-updreasonqostrafpol%, %sess-updreason-qostrafviol%, %upd-discardunkpcf%, %upd-lifetime%, %upd-smgrexit%

rp schema rpSch3 format

EMS, RP3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %sess-ttlrevareleased%, %sess-ttlrevadowngrade%, %deny-bsninfo%, %upd-uplyrinit%, %upd-discard-absent%, %upd-discard-nomem%, %upd-discard-malform%, %upd-discard-authfail%, %upd-discard-bounce%, %upd-discard-inputq%, %upd-discard-mismatchid%, %upd-discard-invpktlen%, %upd-discard-misc%, %sess-pdsn-auth-fail%, %sess-id-mismatch%, %sess-release-purged%

gtpc schema gtpcSch1 format

EMS, GTPC1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %setup-total%, %setupip%, %setup-ppp%, %released-total%, %cpc-total%, %cpc-v0%, %cpc-v1%, %cpc-sec%, %cpcretrans%, %cpc-accept%, %cpc-deny%, %cpc-discard%, %upc-rx%, %upc-rx-accept%, %upc-rxdeny%, %upc-rx-discard%, %upc-tx%, %upc-tx-accept%, %upc-rx%, %dpc-rx%, %dpc-rxaccept%, %dpc-rx-deny%, %dpc-rx-discard%, %dpc-tx%, %dpc-tx-accept%, %dpc-txdeny%, %cpc-aa%, %cpc-aa-accept%, %cpc-aa-deny%, %cpc-aa-discard%, %dpc-aa-rx%, %dpcaa-rx-accept%, %dpc-aa-rx-deny%, %dpc-aa-rx-discard%, %dpc-aa-tx%, %dpc-aa-txaccept%, %dpc-aa-tx-deny%, %err-ind-rx%, %err-ind-tx%, %cpc-noresource%, %cpc-addroccupied%, %cpc-nomem%, %cpc-missing-apn%, %cpc-unknown-pdp%, %cpc-auth-fail%, %cpcsys-fail%, %cpc-sem-tft%

gtpc schema gtpcSch2 format

EMS, GTPC2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %cpc-syn-tft%, %cpc-sempktfilter%,%cpc-syn-pktfilter%,%cpc-ie-err%,%cpc-ie-missing%,%cpc-opt-ieerr%,%cpc-malformed%,%cpc-version%,%disc-sgsn%,%disc-path-fail%,%disc-smgrdead%,%disc-admin%,%disc-other%,%disc-teardown%,%disc-idle%,%discabsolute%,%disc-src-addr%,%disc-flow-add%,%disc-dhcp-renew-fail%,%disc-longdurn%,%disc-aborted%,%disc-apn-rmvd%,%pdu-notif%,%pdu-notif-accpet%,%pdu-notifdeny%,%pdu-notif-rej%,%pdu-notif-rej-accept%,%pdu-notif-rej-deny%,%pdu-notifrej-discard%, %sri-req%, %sri-accept%, %sri-deny%, %fail-rep%, %fail-repaccept%, %fail-rep-deny%, %note-ms-gprs%, %note-ms-gprs-accept%, %note-ms-gprsdeny%, %note-ms-gprs-discard%, %num-bytes-in%, %num-pkts-in%, %num-bytes-out%, %numpkts-out%,%cpc-srv-not-supp%,%gtpu-echo-req-rx%,%gtpu-echo-req-tx%,%gtpu-echorsp-tx%,%gtpu-echo-rsp-rx%,%ctrl-num-bytes-in%,%ctrl-num-pkts-in%,%ctrl-numbytes-out%,%ctrl-num-pkts-out%,%echo-req-rx%,%echo-req-tx%,%echo-rsp-tx%,%echorsp-rx%,%setup-current%,%current-ip%,%current-ppp%,%current-ipv6%,%currentntwkinitd%,%setup-ipv6%,%setup-sgsn%,%setup-ggsn%,%qosconv-bytes-in%,%qosconvpkts-in%,%qosconv-bytes-out%,%qosconv-pkts-out%,%qosstrm-bytes-in%,%qosstrmpkts-in%,%qosstrm-bytes-out%,%qosstrm-pkts-out%,%qosint1-bytes-in%,%qosint1pkts-in%,%qosint1-bytes-out%,%qosint1-pkts-out%,%qosint2-bytes-in%,%qosint2-

pkts-in%,%qosint2-bytes-out%,%qosint2-pkts-out%,%qosint3-bytes-in%,%qosint3pkts-in%,%qosint3-bytes-out%,%qosint3-pkts-out%,%qosint-bytes-in%,%qosint-pktsin%,%qosint-bytes-out%,%qosint-pkts-out%,%qosback-bytes-in%,%qosback-pktsin%,%qosback-bytes-out%,%qosback-pkts-out%,%dyn-ipv4-attempt%,%dyn-ipv6attempt%,%dyn-ppp-attempt%,%dyn-ipv4-success%,%dyn-ipv6-success%,%dyn-pppsuccess%,%cpc-no-apn-subscription%

gtpc schema gtpcSch3 format

EMS, GTPC3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %upc-tx-dt-upd%, %num-dtestablished%, %num-dt-torn-by-sgsn%, %num-dt-recv-err-ind%, %err-ind-rxdiscard%,%current-mbms-ue%,%current-mbms-mcast%,%current-mbms-bcast%,%setupmbms-ue%, %setup-mbms-mcast%, %setup-mbms-bcast%, %chap-auth-attempt%, %chap-authsuccess%,%chap-auth-failure%,%pap-auth-attempt%,%pap-auth-success%,%pap-authfailure%,%no-auth%,%err-ind%,%ctxt-replace%,%purge-audit%,%update-handoffrej%,%total-handoff-fail%,%sgsn-restart-cpc-req%,%sgsn-restart-upc-req%,%sgsnrestart-echo-rsp%,%gtpc-echo-timeout%,%gtpu-echo-timeout%,%ggsn-reqtimeout%,%version-not-sup-rx%,%version-not-sup-tx%,%sup-ext-header-rx%,%sup-extheader-tx%,%cmc-total%,%cmc-initial%,%cmc-retrans%,%cmc-accept%,%cmc-deny%,%cmcdiscard%, %umc-rx%, %umc-rx-accept%, %umc-rx-deny%, %umc-rx-discard%, %dmc-rx%, %dmcrx-accept%,%dmc-rx-deny%,%dmc-rx-discard%,%dmc-tx%,%dmc-tx-accept%,%dmc-txdeny%, %mbms-reg-req-total%, %mbms-reg-req-initial%, %mbms-reg-req-retrans%, %mbmsreg-req-accept%, %mbms-reg-req-deny%, %mbms-reg-req-discard%, %mbms-ses-starttx%, %mbms-ses-start-tx-accept%, %mbms-ses-start-tx-deny%, %mbms-ses-stoptx%, %mbms-ses-stop-tx-accept%, %mbms-ses-stop-tx-deny%, %mbms-dereg-rx%, %mbmsdereg-rx-accept%, %mbms-dereg-rx-deny%, %mbms-dereg-rx-discard%, %mbms-deregtx%, %mbms-dereg-tx-accept%, %mbms-dereg-tx-deny%, %sess-in-preservationmode%,%transition-to-preservation-mode%,%transition-to-non-preservationmode%,%sess-in-focs%,%cnt-of-release-due-to-other%,%cnt-of-release-due-toviolation%,%ipca-pdp-context-tx%,%ipca-pdp-context-tx-accepted%,%ipca-pdpcontext-tx-denied%,%ipca-reject-rx-no-resources%,%ipca-reject-rx-no-memavail%,%ipca-reject-rx-sys-failure%,%ipca-reject-rx-non-existent%,%ipca-rejectrx-unsupported-service%,%ipca-reject-rx-invalid-msg-format%

gtpc schema gtpcSch4 format

EMS, GTPC4, %date%, %time%, %vpnname%, %vpnid%, %servname%, %ipca-reject-rx-semanticerr-in-tft%, %ipca-reject-rx-syntactic-err-in-tft%, %ipca-reject-rx-man-ieincorrect%, %ipca-reject-rx-semantic-err-in-pac-filter%, %ipca-reject-rx-man-iemissing%, %ipca-reject-rx-optional-ie-incorrect%, %ipca-reject-rx-syntactic-errin-pac-filter%, %ipca-reject-rx-ue-not-gprs-rsp%, %ipca-reject-rx-uerefuses%, %ipca-reject-rx-invalid-correlation-id%, %sess-in-odb%, %cnt-of-releasedue-to-other-odb%, %cnt-of-release-due-to-violation-odb%

gtpp schema gtppSch1 format

EMS, GTPP, %date%, %time%, %vpnname%, %vpnid%, %echo-req-rx%, %echo-req-tx%, %echo-rsprx%, %echo-rsp-tx%, %redir-rcvd%, %redir-rsp%, %node-alive%, %node-alive-rsp%, %datarec-trans%, %dup-data-rec-trans%, %send-data-rec%, %rel-data-rec%, %cancel-datarec%, %data-rec-trans-rsp%, %delete-node%, %node-addr%, %req-accept%, %req-notfulfil%, %req-malform%, %version-not-supp%, %serv-not-supp%, %mand-ie-err%, %mand-iemiss%, %opt-ie-err%, %dup-already-fulfil%, %already-fulfil%, %no-resource%, %sysfail%, %normal-close%, %abnormal-close%, %vol-limit-close%, %time-limitclose%, %open-req%, %aaa-acct-arch%, %rdir-sys-fail%, %rdir-txbuf-full%, %rdir-rxbuffull%, %other-node-dn%, %self-node-dn%, %rdir-no-res%, %rdir-serv-no%, %rdir-versionnot-supp%, %rdir-mand-ie-miss%, %rdir-mand-ie-err%, %rdir-opt-ie-err%, %rdir-

malformed%,%rdir-rsp-sys-fail%,%gss-echo-req%,%gss-echo-rsp%,%gss-gtppreq%,%gss-gtpp-req-ret%,%gss-gtpp-rsp%,%gss-gtpp-rsp-failed%,%gss-gcdrreq%,%gss-gcdr-req-ret%,%gss-gcdr-rsp%,%gss-gcdr-rsp-failed%,%gss-aaaproxy-recreq%,%gss-aaaproxy-rec-ret%,%gss-aaaproxy-rec-rsp%,%gss-aaaproxy-rec-rspfailed%,%gss-aaamgr-rec-req%,%gss-aaamgr-rec-ret%,%gss-aaamgr-rec-rsp%,%gssaaamgr-rec-rsp-failed%,%gss-update-cgf-req%,%gss-update-cgf-req-ret%,%gssupdate-cgf-rsp%,%gss-update-cfg-rsp-failed%,%gss-clear-db-req%,%gss-clear-dbreq-ret%,%gss-clear-db-rsp%,%gss-clear-db-rsp-failed%,%gss-update-req%,%gssinvalid-req-rcvd%,%data-rec-success-emp%,%cdr-dec-error%,%seq-noincorrect%,%unknown-cause%,%mgmt-int-close%,%sgsn-chng-close%,%max-chngclose%,%rat-chng-close%,%ms-tz-chng-close%,%list-down-stream-chng-close%,%totalgcdr-xmit%,%total-scdr-xmit%,%total-mcdr-rexmit%,%total-gmbcdr-rexmit%,%total-gcdrrexmit%,%total-scdr-rexmit%,%total-mcdr-rexmit%,%total-gmbcdr-rexmit%,%totalgcdr-accept%,%total-scdr-accept%

gtpp schema gtppSch2 format

EMS, GTPP2, %date%, %time%, %vpnname%, %vpnid%, %total-mcdr-accept%, %total-gmbcdraccept%, %total-gcdr-fail%, %total-scdr-fail%, %total-mcdr-fail%, %total-gmbcdrfail%, %cc-char-hot%, %cc-char-normal%, %cc-char-prepaid%, %cc-char-flat%, %cc-charunknown%, %data-rec-ret-send%, %data-rec-ret-poss-dup%, %data-rec-retcancel%, %data-rec-ret-rel%, %data-rec-ret-emp%, %data-rec-success-send%, %data-recsuccess-poss-dup%, %data-rec-success-cancel%, %data-rec-success-rel%, %invalid-msgseq-num%, %invalid-msg-unknown-cgf%, %invalid-msg-unknown-msg%, %focsclose%, %inactivity-close%, %gss-cdr-loss%, %gss-cdr-loss-traps%, %total-smbmscdrrexmit%, %total-smbmscdr-xmit%

ippool schema ippoolSch1 format EMS,IPPOOL,%date%,%time%,%vpnname%,%vpnid%,%name%,%used%,%hold%,%release%,%free% ,%type%,%priority%,%state%,%startaddr%,%groupname%

apn schema apnSch1 format

EMS, APN, %date%, %time%, %vpnname%, %vpnid%, %apn%, %uplnk-bytes%, %dnlnkbytes%, %uplnk-pkts%, %dnlnk-pkts%, %uplnk-drop%, %dnlnk-drop%, %bad-hdr%, %ttlexcd%, %frag-sent%, %frag-fail%, %inacl-drop%, %outacl-drop%, %bad-src-addr%, %addrstat%, %addr-lpool%, %addr-rad%, %addr-dhcp%, %addr-dhcp-rly%, %addr-no-alloc%, %sesscurr%, %sess-curr-all%, %sess-tot%, %sess-tot-all%, %uplnk-bytes-drop%, %dnlnk-bytesdrop%, %data-fromuseravg-bps%, %data-touseravg-bps%, %data-fromusersust-bps%, %datatousersust-bps%, %data-fromuseravg-pps%, %data-touseravg-pps%, %data-fromusersustpps%, %data-tousersust-pps%, %qosconv-pkts-uplnk%, %qosint1-pktsdnlnk%, %qosstrm-pkts-dnlnk%, %qosint1-pkts-uplnk%, %qosint3-pkts-uplnk%, %qosint3pkts-dnlnk%, %qosint-pkts-uplnk%, %qosint-pkts-dnlnk%, %qosback-pktsuplnk%, %qosback-pkts-dnlnk%, %att-pdp-ctxt%, %att-deact-pdp-ggsn%, %succ-deact-pdpggsn%, %att-deact-pdp-ms%, %succ-deact-pdp-ms%, %dyn-ipv4-attempt%, %dyn-ipv6attempt%, %qor-req-sent%, %acc-reg-timeout%

lac schema lacSch1 format

EMS, LAC1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %tun-conn-attempt%, %tunconn-success%, %tun-conn-fail%, %tun-conn-curactive%, %sess-attempts%, %sesssuccessful%, %sess-failed%, %sess-curactive%, %sess-intrapdsnho-attempt%, %sessintrapdsnho-success%, %sess-intrapdsnho-failed%, %sess-interpdsnho-attempt%, %recverr-malformed%, %recv-err-ctrlfield%, %recv-err-pktlen%, %recv-err-avplen%, %recv-

err-protover%,%recv-err-md5%,%recv-err-invattr%,%recv-err-unkattr%,%recv-errinvsessid%,%recv-err-invstate%,%recv-err-unkmsg%,%recv-err-unmatchpktlen%,%recverr-invtunid%,%tun-genclear%,%tun-ctrlconnexists%,%tun-unauth%,%tunbadproto%,%tun-reqshutdown%,%tun-statemacherr%,%tun-badlen%,%tun-oor%,%tunnoresource%,%tun-vendspec%,%tun-tryanotherlns%,%tun-unkavp%,%tunipsecdisc%,%tun-ipsecfail%,%tun-license%,%tun-newcallpoldisc%,%tunmaxretry%,%tun-syslimit%,%tun-miscerr%,%sess-nogeneral%,%sess-admin%,%sesslossofcarr%

lac schema lacSch2 format

EMS, LAC2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %sess-remoteadmin%, %sessnofactemp%, %sess-nofacperm%, %sess-invdest%, %sess-nocarrier%, %sessbusysig%, %sess-nodialtime%, %sess-lactimeout%, %sess-noframing%, %sessnoctrlconn%, %sess-badlen%, %sess-oor%, %sess-noresource%, %sess-invsessid%, %sessvendspec%, %sess-tryanotherlns%, %sess-unkavp%, %sess-maxtunnel%, %sessipsecfail%, %sess-ipsecdisc%, %sess-newcallpoldisc%, %sess-license%, %sessservmismatch%, %sess-miscerr%

closedrp schema closedrpSch1 format EMS, CLOSEDRP1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %tun-connattempt%, %tun-conn-success%, %tun-conn-fail%, %tun-conn-curactive%, %sessattempts%, %sess-successful%, %sess-failed%, %sess-curactive%, %sess-intrapdsnhoattempt%, %sess-intrapdsnho-success%, %sess-intrapdsnho-failed%, %sess-interpdsnhoattempt%, %recv-err-malformed%, %recv-err-ctrlfield%, %recv-err-pktlen%, %recv-erravplen%, %recv-err-protover%, %recv-err-invstate%, %recv-err-invattr%, %recv-errunkattr%, %recv-err-invsessid%, %recv-err-invstate%, %recv-err-unkmsg%, %recv-errunmatchpktlen%, %recv-err-invtunid%, %tun-genclear%, %tun-ctrlconnexists%, %tununauth%, %tun-badproto%, %tun-reqshutdown%, %tun-statemacherr%, %tun-badlen%, %tunoor%, %tun-noresource%, %tun-vendspec%, %tun-tryanotherlns%, %tun-unkavp%, %tunipsecdisc%, %tun-ipsecfail%, %tun-license%, %tun-newcallpoldisc%, %tunmaxretry%, %tun-syslimit%, %tun-miscerr%, %sess-nogeneral%, %sess-admin%, %sesslossofcarr%

closedrp schema closedrpSch2 format EMS,CLOSEDRP2,%date%,%time%,%vpnname%,%vpnid%,%servname%,%sessremoteadmin%,%sess-nofactemp%,%sess-nofacperm%,%sess-invdest%,%sessnocarrier%,%sess-busysig%,%sess-nodialtime%,%sess-lactimeout%,%sessnoframing%,%sess-noctrlconn%,%sess-badlen%,%sess-oor%,%sess-noresource%,%sessinvsessid%,%sess-vendspec%,%sess-tryanotherlns%,%sess-unkavp%,%sessmaxtunnel%,%sess-ipsecfail%,%sess-ipsecdisc%,%sess-newcallpoldisc%,%sesslicense%,%sess-servmismatch%,%sess-miscerr%,%sess-hocomplete%,%sessinvho%,%sess-

duplsess%,%ttlprepaid%,%curprepaid%,%ttlonlineauthsucc%,%ttlonlineauthfail%

radius schema radiusSch1 format

EMS, RADIUS, %date%, %time%, %vpnname%, %vpnid%, %servertype%, %ipaddr%, %auth-reqsent%, %auth-req-sentwdmu%, %auth-req-pending%, %auth-req-retried%, %auth-regretriedwdmu%, %auth-chal-rcvd%, %auth-acc-rcvd%, %auth-rej-rcvd%, %auth-rejrcvdwdmu%, %auth-timeout%, %auth-cons-fail%, %auth-rsp-badauth%, %auth-rspmalformed%, %auth-rsp-malformedattr%, %auth-rsp-unktype%, %auth-rsp-dropped%, %authrsp-roundtripusec%, %probe-issued%, %probe-success%, %probe-failed%, %proberoundtriptimeusec%, %acc-req-sent%, %acc-req-pending%, %acc-req-retried%, %acc-rsprcvd%, %acc-req-timeout%, %acc-req-cons-fail%, %acc-rsp-badresp%, %acc-rsp-

malformed%, %acc-rsp-unktype%, %acc-rsp-dropped%, %acc-rsproundtripusec%, %port%, %acc-start-sent%, %acc-stop-sent%, %acc-interim-sent%, %accstart-retries%,%acc-stop-retries%,%acc-interim-retries%,%group%,%acc-ttlg1%, %acc-ttl-g2%, %online-acc-req-sent%, %online-acc-req-pending%, %online-acc-reqretried%, %online-acc-rsp-rcvd%, %online-acc-rej-rcvd%, %online-acc-regtimeout%,%online-acc-rsp-badauth%,%online-acc-rsp-malformed%,%online-acc-rspmalformedattr%,%online-acc-rsp-unktype%,%online-acc-badmsgauth%,%online-accnomsgauth%, %nasipaddr%, %keepalive-auth-req-sent%, %keepalive-authretried%,%keepalive-auth-acc-rcvd%,%keepalive-auth-timeout%,%keepalive-auth-rejrcvd%,%keepalive-acct-req-sent%,%keepalive-acct-retried%,%keepalive-acctsuccess%, %keepalive-acct-timeout%, %keepalive-acct-rsp-badauth%, %consfail%, %keepalive-auth-rsp-badauth%, %keepalive-auth-rsp-malformed%, %keepaliveauth-rsp-malformedattr%, %keepalive-auth-rsp-unktype%, %keepalive-auth-rspdropped%, %acc-on-sent%, %acc-off-sent%, %acc-on-retries%, %acc-offretries%,%keepalive-acct-rsp-malformed%,%keepalive-acct-rsp-unktype%,%keepaliveacct-rsp-dropped%

schema miscSch1 format

%ipaddr%,%host%,%uptime%,%time%,%localdate%,%localtime%,%localtz%,%time2%,%local time2%

ecs schema ecsSch1 format EMS, ECS1, %date%, %time%, %ecssubscribers%,%ecs-subscribers-cur%,%gcdrs-generated%,%edrs-generated%,%udrsgenerated%,%ip-flows%,%ip-flows-cur%,%ip-uplk-bytes%,%ip-dwnlk-bytes%,%ip-uplkpkts%,%ip-dwnlk-pkts%,%ip-uplk-pkts-frag%,%ip-dwnlk-pkts-frag%,%ip-uplk-bytesfrag%,%ip-dwnlk-bytes-frag%,%udp-flows%,%udp-flows-cur%,%udp-uplk-bytes%,%udpdwnlk-bytes%,%udp-uplk-pkts%,%udp-dwnlk-pkts%,%udp-inv-pkts%,%tcp-flows%,%tcpflows-cur%, %tcp-uplk-bytes%, %tcp-dwnlk-bytes%, %tcp-uplk-pkts%, %tcp-dwnlkpkts%,%tcp-uplk-bytes-retr%,%tcp-dwnlk-bytes-retr%,%tcp-uplk-pkts-retr%,%tcpdwnlk-pkts-retr%,%tcp-uplk-pkts-ooo-analyzd%,%tcp-dwnlk-pkts-ooo-analyzd%,%tcpuplk-pkts-ooo-fail%,%tcp-dwnlk-pkts-ooo-fail%,%tcp-uplk-pkts-ooo-retr%,%tcpdwnlk-pkts-ooo-retr%,%icmp-flows%,%icmp-flows-cur%,%icmp-uplk-bytes%,%icmpdwnlk-bytes%,%icmp-uplk-pkts%,%icmp-dwnlk-pkts%,%icmp-ech-req%,%icmp-echrep%,%icmp-dst-unrch%,%icmp-redir%,%icmp-tm-excd%,%icmp-trace-route%,%icmpoth%,%http-flows%,%http-flows-cur%,%http-uplk-bytes%,%http-dwnlk-bytes%,%httpuplk-pkts%,%http-dwnlk-pkts%,%http-uplk-bytes-retr%,%http-dwnlk-bytesretr%,%http-uplk-pkts-retr%,%http-dwnlk-pkts-retr%,%http-req-succ%,%http-reqfail%,%http-get-req%,%http-post-req%,%http-connect-req%,%http-inv-pkts%,%httpsflows%,%https-flows-cur%,%https-uplk-bytes%,%https-dwnlk-bytes%,%https-uplkpkts%,%https-dwnlk-pkts%,%https-uplk-bytes-retr%,%https-dwnlk-bytesretr%,%https-uplk-pkts-retr%,%https-dwnlk-pkts-retr%,%wtp-trans%,%wtp-clszero%, %wtp-cls-one%, %wtp-cls-two%, %wtp-uplk-bytes%, %wtp-dwnlk-bytes%, %wtp-uplkpkts%, %wtp-dwnlk-pkts%, %wtp-uplk-bytes-retr%, %wtp-dwnlk-bytes-retr%, %wtp-uplkpkts-retr%, %wtp-dwnlk-pkts-retr%, %wtp-invk-pkts%, %wtp-invk-tcl-zero%, %wtp-invktcl-one%,%wtp-invk-tcl-two%,%wtp-invk-tid-new%,%wtp-rslt-pkts%,%wtp-ack-toresp%, %wtp-ack-to-init%, %wtp-abrt-to-resp%, %wtp-abrt-to-init%, %wtp-seginvk%, %wtp-seg-rslt%, %wtp-neg-ack%, %wtp-tid-vrf%, %wtp-noninit-invk%, %wtp-unkpdu%,%wsp-flows%,%wsp-flows-cur%,%wsp-co-conn%,%wsp-cl-conn%,%wsp-uplkbytes%,%wsp-dwnlk-bytes%,%wsp-uplk-pkts%,%wsp-dwnlk-pkts%,%wsp-uplk-bytesretr%, %wsp-dwnlk-bytes-retr%, %wsp-uplk-pkts-retr%, %wsp-dwnlk-pkts-retr%, %wsp-coreq-succ%, %wsp-co-req-fail%, %wsp-cl-req-succ%, %wsp-cl-req-fail%, %wsp-connpdu%, %wsp-conn-rep%, %wsp-redir%, %wsp-disc%, %wsp-susp%, %wsp-resm%, %wsp-opt%, %wsphead%, %wsp-del%, %wsp-trace%, %wsp-reply%, %wsp-put%, %wsp-get%, %wsp-push%, %wspconf-push%, %wsp-post%, %wsp-data-frag%, %wsp-rsrvd%, %wsp-inv-pkts%, %mmssend%, %mms-send-succ%, %mms-send-fail%, %mms-retrv%, %mms-retrv-succ%, %mms-retrvfail%, %mms-uplk-bytes%, %mms-dwnlk-bytes%, %mms-uplk-pkts%, %mms-dwnlk-pkts%, %mmsuplk-bytes-retr%, %mms-dwnlk-bytes-retr%, %mms-uplk-pkts-retr%, %mms-dwnlk-pktsretr%, %mms-snd-req%, %mms-snd-conf%, %mms-ntf-ind%, %mms-ntf-ind-imm%, %mms-ntf-inddel%,%mms-ntf-rsp%,%mms-retrv-conf%,%mms-ack-ind%,%mms-delvry-ind%,%mms-unkpdu%,%mms-inv-pkts%,%sip-flows%,%sip-flows-cur%,%sip-calls%,%sip-uplkbytes%,%sip-dwnlk-bytes%,%sip-uplk-pkts%,%sip-dwnlk-pkts%,%sip-uplk-bytesretr%, %sip-dwnlk-bytes-retr%, %sip-uplk-pkts-retr%, %sip-dwnlk-pkts-retr%, %sipinvite%,%sip-bye%,%sip-ack%,%sip-cancel%,%sip-register%,%sip-inv-pkts%,%rtspflows%,%rtsp-flows-cur%,%rtsp-sess%,%rtsp-uplk-bytes%,%rtsp-dwnlk-bytes%,%rtspuplk-pkts%,%rtsp-dwnlk-pkts%,%rtsp-uplk-bytes-retr%,%rtsp-dwnlk-bytesretr%,%rtsp-uplk-pkts-retr%,%rtsp-dwnlk-pkts-retr%,%rtsp-play%,%rtspsetup%,%rtsp-pause%,%rtsp-record%,%rtsp-option%,%rtsp-redir%,%rtsp-desc%,%rtspannoun%, %rtsp-trdwn%, %rtsp-get-param%, %rtsp-set-param%, %rtsp-inv-pkts%

ecs schema ecsSch2 format EMS, ECS2, %date%, %time%, %rtpflows%,%rtp-flows-cur%,%rtp-uplk-bytes%,%rtp-dwnlk-bytes%,%rtp-uplk-pkts%,%rtpdwnlk-pkts%,%ftp-flows%,%ftp-flows-cur%,%ftp-uplk-bytes%,%ftp-dwnlk-bytes%,%ftpuplk-pkts%,%ftp-dwnlk-pkts%,%ftp-retr%,%ftp-stor%,%ftp-inv-pkts%,%smtpflows%,%smtp-flows-cur%,%smtp-uplk-bytes%,%smtp-dwnlk-bytes%,%smtp-uplkpkts%,%smtp-dwnlk-pkts%,%smtp-uplk-bytes-retr%,%smtp-dwnlk-bytes-retr%,%smtpuplk-pkts-retr%,%smtp-dwnlk-pkts-retr%,%smtp-unk-cmd%,%smtp-unk-resp%,%smtp-reqsucc%, %smtp-req-fail%, %smtp-helo%, %smtp-ehlo%, %smtp-mail-frm%, %smtp-rcptto%, %smtp-data%, %smtp-bdat%, %smtp-vrfy%, %smtp-expn%, %smtp-noop%, %smtprset%, %smtp-quit%, %smtp-inv-pkts%, %pop3-flows%, %pop3-flows-cur%, %pop3-uplkbytes%,%pop3-dwnlk-bytes%,%pop3-uplk-pkts%,%pop3-dwnlk-pkts%,%pop3-uplk-bytesretr%,%pop3-dwnlk-bytes-retr%,%pop3-uplk-pkts-retr%,%pop3-dwnlk-pktsretr%, %pop3-retr%, %pop3-retr-succ%, %pop3-list%, %pop3-list-succ%, %pop3-invpkts%,%imap-uplk-bytes%,%imap-dwnlk-bytes%,%imap-uplk-pkts%,%imap-dwnlkpkts%,%imap-uplk-bytes-retr%,%imap-dwnlk-bytes-retr%,%imap-uplk-pktsretr%,%imap-dwnlk-pkts-retr%,%imap-req-succ%,%imap-req-fail%,%imap-replyuntag%,%imap-reply-commcont%,%imap-unk-command%,%imap-unk-reply%,%p2pflows%,%p2p-flows-cur%,%p2p-skype-uplnk-bytes%,%p2p-skype-dwlnk-bytes%,%p2pskype-uplnk-pkts%,%p2p-skype-dwlnk-pkts%,%p2p-bittorrent-uplnk-bytes%,%p2pbittorrent-dwlnk-bytes%,%p2p-bittorrent-uplnk-pkts%,%p2p-bittorrent-dwlnkpkts%,%p2p-edonkey-uplnk-bytes%,%p2p-edonkey-dwlnk-bytes%,%p2p-edonkey-uplnkpkts%,%p2p-edonkey-dwlnk-pkts%,%p2p-msn-uplnk-bytes%,%p2p-msn-dwlnk-bytes%,%p2pmsn-uplnk-pkts%,%p2p-msn-dwlnk-pkts%,%p2p-yahoo-uplnk-bytes%,%p2p-yahoo-dwlnkbytes%,%p2p-yahoo-uplnk-pkts%,%p2p-yahoo-dwlnk-pkts%

ecs schema ecsSch3 format EMS, ECS3, %date%, %time%, %p2p-orb-uplnkbytes%, %p2p-orb-dwlnk-bytes%, %p2p-orb-uplnk-pkts%, %p2p-orb-dwlnk-pkts%, %p2pwinny-uplnk-bytes%, %p2p-winny-dwlnk-bytes%, %p2p-winny-uplnk-pkts%, %p2p-slingbox-uplnk-bytes%, %p2p-slingbox-dwlnk-bytes%, %p2p-slingboxuplnk-pkts%, %p2p-slingbox-dwlnk-pkts%, %p2p-fasttrack-uplnk-bytes%, %p2pfasttrack-dwlnk-bytes%, %p2p-fasttrack-uplnk-pkts%, %p2p-fasttrack-dwlnkpkts%, %p2p-gnutella-uplnk-bytes%, %p2p-gnutella-dwlnk-bytes%, %p2p-gnutella-uplnkpkts%, %p2p-gnutella-dwlnk-pkts%, %p2p-jabber-uplnk-bytes%, %p2p-jabber-dwlnkbytes%, %p2p-jabber-uplnk-pkts%, %p2p-jabber-dwlnk-pkts%, %ecs-ttlsuccess%, %ecsttlfail%, %ecs-curactive%, %ecs-15peak-curactive%, %ecs-ruleshit%, %ecsttldlinkbytes%, %ecs-ttlulinkbytes%, %ecs-ttldlinkpackets%, %ecsttlulinkpackets%, %ecs-ttlflowconn%, %ecs-ttlflowdisc%, %ecs-curflow%, %ecs-15peakcurflow%, %ecs-15min-usage-flowall%, %dns-dwnlk-bytes%, %dns-dwnlk-pkts%, %dnsflows%, %dns-flows-cur%, %dns-inv-pkts%, %dns-over-tcp-dwnlk-bytes%, %dns-over-tcpdwnlk-pkts%, %dns-over-tcp-uplk-bytes%, %dns-over-tcp-uplk-pkts%, %dns-req-aquery%, %dns-req-cname-query%, %dns-req-ns-query%, %dns-req-ptr-query%, %dns-requnknown-query%, %dns-rsp-a-query%, %dns-rsp-cname-query%, %dns-rsp-ns-query%, %dnsrsp-ptr-query%, %dns-rsp-unknown-query%, %dns-unk-opcode%, %dns-uplk-bytes%, %dnsuplk-pkts%, %icmp-inv-pkts%, %p2p-applejuice-dwlnk-bytes%, %p2p-applejuice-dwlnkpkts%, %p2p-applejuice-uplnk-bytes%, %p2p-applejuice-uplnk-pkts%, %p2p-ares-dwlnkbytes%, %p2p-ares-dwlnk-pkts%, %p2p-ares-uplnk-pkts%, %p2p-directconnectuplnk-bytes%, %p2p-directconnect-uplnk-pkts%, %p2p-feidian-dwlnk-bytes%, %p2pfeidian-dwlnk-pkts%, %p2p-feidian-uplnk-bytes%, %p2p-feidian-uplnk-pkts%

ecs schema ecsSch4 format EMS, ECS4, %date%, %time%, %p2p-filetopiadwlnk-bytes%, %p2p-filetopia-dwlnk-pkts%, %p2p-filetopia-uplnk-bytes%, %p2pfiletopia-uplnk-pkts%,%p2p-gadugadu-dwlnk-bytes%,%p2p-gadugadu-dwlnk-pkts%,%p2pgadugadu-uplnk-bytes%,%p2p-gadugadu-uplnk-pkts%,%p2p-imesh-dwlnk-bytes%,%p2pimesh-dwlnk-pkts%,%p2p-imesh-uplnk-bytes%,%p2p-imesh-uplnk-pkts%,%p2p-manolitodwlnk-bytes%,%p2p-manolito-dwlnk-pkts%,%p2p-manolito-uplnk-bytes%,%p2p-manolitouplnk-pkts%,%p2p-msn-non-voice-dwlnk-bytes%,%p2p-msn-non-voice-dwlnk-pkts%,%p2pmsn-non-voice-uplnk-bytes%,%p2p-msn-non-voice-uplnk-pkts%,%p2p-msn-voice-dwlnkbytes%,%p2p-msn-voice-dwlnk-pkts%,%p2p-msn-voice-uplnk-bytes%,%p2p-msn-voiceuplnk-pkts%,%p2p-mute-dwlnk-bytes%,%p2p-mute-dwlnk-pkts%,%p2p-mute-uplnkbytes%,%p2p-mute-uplnk-pkts%,%p2p-pando-dwlnk-bytes%,%p2p-pando-dwlnkpkts%,%p2p-pando-uplnk-bytes%,%p2p-pando-uplnk-pkts%,%p2p-pplive-dwlnkbytes%,%p2p-pplive-dwlnk-pkts%,%p2p-pplive-uplnk-bytes%,%p2p-pplive-uplnkpkts%,%p2p-ppstream-dwlnk-bytes%,%p2p-ppstream-dwlnk-pkts%,%p2p-ppstream-uplnkbytes%,%p2p-ppstream-uplnk-pkts%,%p2p-qq-dwlnk-bytes%,%p2p-qq-dwlnk-pkts%,%p2pqqlive-dwlnk-bytes%, %p2p-qqlive-dwlnk-pkts%, %p2p-qqlive-uplnk-bytes%, %p2pqqlive-uplnk-pkts%,%p2p-qq-uplnk-bytes%,%p2p-qq-uplnk-pkts%,%p2p-skinny-dwlnkbytes%,%p2p-skinny-dwlnk-pkts%,%p2p-skinny-uplnk-bytes%,%p2p-skinny-uplnkpkts%,%p2p-skype-non-voice-dwlnk-bytes%,%p2p-skype-non-voice-dwlnk-pkts%,%p2pskype-non-voice-uplnk-bytes%, %p2p-skype-non-voice-uplnk-pkts%, %p2p-skype-voicedwlnk-bytes%, %p2p-skype-voice-dwlnk-pkts%, %p2p-skype-voice-uplnk-bytes%, %p2pskype-voice-uplnk-pkts%,%p2p-sopcast-dwlnk-bytes%,%p2p-sopcast-dwlnk-pkts%,%p2psopcast-uplnk-bytes%,%p2p-sopcast-uplnk-pkts%,%p2p-soulseek-dwlnk-bytes%,%p2psoulseek-dwlnk-pkts%,%p2p-soulseek-uplnk-bytes%

ecs schema ecsSch5 format EMS,ECS5,%date%,%time%,%p2p-soulseekuplnk-pkts%,%p2p-yahoo-non-voice-dwlnk-bytes%,%p2p-yahoo-non-voice-dwlnkpkts%,%p2p-yahoo-non-voice-uplnk-bytes%,%p2p-yahoo-non-voice-uplnk-pkts%,%p2p-yahoo-voice-uplnkbytes%,%p2p-yahoo-voice-uplnk-pkts%,%p2p-zattoo-dwlnk-bytes%,%p2p-zattoo-dwlnkpkts%,%p2p-zattoo-uplnk-bytes%,%p2p-zattoo-uplnk-pkts%,%p2p-oscar-uplnkbytes%,%p2p-oscar-dwlnk-bytes%,%p2p-oscar-uplnk-pkts%,%p2p-oscar-uplnkbytes%,%p2p-oscar-dwlnk-bytes%,%p2p-opo-dwlnk-bytes%,%p2p-oscar-uplnkpkts%,%p2p-popo-uplnk-bytes%,%p2p-popo-dwlnk-bytes%,%p2p-popo-uplnk-pkts%,%p2ppopo-dwlnk-pkts%,%p2p-irc-uplnk-bytes%,%p2p-irc-dwlnk-bytes%,%p2p-irc-uplnkpkts%,%p2p-irc-dwlnk-pkts%,%p2p-steam-uplnk-bytes%,%p2p-steam-dwlnk-bytes%,%p2psteam-uplnk-pkts%,%p2p-steam-dwlnk-pkts%,%p2p-ddlinkdwlnk-bytes%,%p2p-ddlink-uplnk-pkts%,%p2p-halflife2uplnk-bytes%, %p2p-halflife2-dwlnk-bytes%, %p2p-halflife2-uplnk-pkts%, %p2phalflife2-dwlnk-pkts%, %p2p-hamachivpn-uplnk-bytes%, %p2p-hamachivpn-dwlnkbytes%, %p2p-hamachivpn-uplnk-pkts%, %p2p-tvants-uplnk-pkts%, %p2p-tvantsuplnk-bytes%, %p2p-tvuplayer-uplnk-bytes%, %p2p-tvuplayer-dwlnk-bytes%, %p2p-tvuplayeruplnk-pkts%, %p2p-tvuplayer-dwlnk-pkts%, %p2p-uusee-uplnk-bytes%, %p2p-uusee-dwlnkbytes%, %p2p-uusee-uplnk-pkts%, %p2p-uusee-dwlnk-pkts%, %p2p-uusee-dwlnkbytes%, %p2p-vpnx-dwlnk-pkts%, %p2p-vpnx-uplnkbytes%, %p2p-vpnx-dwlnk-bytes%, %p2p-vpnx-uplnkbytes%, %p2p-vpnx-dwlnk-bytes%, %p2p-vpnx-uplnkpkts%, %p2p-vinmx-uplnk-bytes%, %p2p-vinmx-uplnk-pkts%, %p2p-vun-dwlnkpkts%, %p2p-winmx-uplnk-bytes%, %p2p-winmx-dwlnk-bytes%, %p2p-winmx-uplnkpkts%, %p2p-winmx-dwlnk-pkts%, %p2p-wofwarcraftdwlnk-bytes%, %p2p-wofwarcraft-uplnk-pkts%, %p2p-wofwarcraftdwlnk-bytes%, %p2p-wofwarcraft-uplnk-pkts%

ecs schema ecsSch6 format EMS,ECS6,%date%,%time%,%p2p-xbox-uplnkbytes%,%p2p-xbox-dwlnk-bytes%,%p2p-xbox-uplnk-pkts%,%p2p-xbox-dwlnk-pkts%

ipsg schema ipsgSch1 format

EMS, IPSG, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %radservaddr%, %rad-servport%, %total-start-req-rcv%, %total-interim-update-reqrcv%, %total-stop-req-rcv%, %total-unknown-req-rcv%, %total-rsp-sent%, %total-startreq-retrans-rcv%, %total-start-rsp-sent%, %total-discard-msgs-unknownclnt%, %total-discard-msgs-ignore-interim%, %total-discard-msgs-ignorestop%, %total-discard-msgs-incorrect-secret%, %total-discard-msgs-attr-missing%

asngw schema asngwSch1 format

EMS, ASNGW1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6m spreattreq-totsent%,%r6mspreattreq-retranssent%,%r6mspreattreqtotrec%,%r6mspreattreq-totacc%,%r6mspreattreq-totdenied%,%r6mspreattreqtotdiscard%,%r6mspreattreq-badform%,%r6mspreattreq-decodeerr%,%r6mspreattrequnspecerr%,%r6mspreattreq-missmandtlv%,%r6mspreattreqtlvvalinval%,%r6mspreattreq-unknowntlv%,%r6mspreattreqduptlvfound%,%r6mspreattreq-nosessfound%,%r6mspreattreqtransiderr%,%r6mspreattrsp-totsent%,%r6mspreattrsp-retranssent%,%r6mspreattrsptotrec%,%r6mspreattrsp-totacc%,%r6mspreattrsp-totdenied%,%r6mspreattrsptotdiscard%,%r6mspreattrsp-badform%,%r6mspreattrsp-decodeerr%,%r6mspreattrspunspecerr%,%r6mspreattrsp-missmandtlv%,%r6mspreattrsptlvvalinval%,%r6mspreattrsp-unknowntlv%,%r6mspreattrspduptlvfound%,%r6mspreattrsp-nosessfound%,%r6mspreattrsptransiderr%,%r6mspreattack-totsent%,%r6mspreattack-retranssent%,%r6mspreattacktotrec%,%r6mspreattack-totacc%,%r6mspreattack-totdenied%,%r6mspreattacktotdiscard%,%r6mspreattack-badform%,%r6mspreattack-decodeerr%,%r6mspreattackunspecerr%,%r6mspreattack-missmandtlv%,%r6mspreattacktlvvalinval%,%r6mspreattack-unknowntlv%,%r6mspreattackduptlvfound%,%r6mspreattack-nosessfound%,%r6mspreattacktransiderr%,%r6contextreq-totsent%,%r6contextreq-retranssent%,%r6contextreqtotrec%,%r6contextreq-totacc%,%r6contextreq-totdenied%,%r6contextreqtotdiscard%,%r6contextreq-badform%,%r6contextreq-decodeerr%,%r6contextrequnspecerr%, %r6contextreq-missmandtlv%, %r6contextreq-tlvvalinval%, %r6contextrequnknowntlv%,%r6contextreq-duptlvfound%,%r6contextreq-nosessfound%,%r6contextreqtransiderr%,%r6contextrepo-totsent%,%r6contextrepo-retranssent%,%r6contextrepototrec%,%r6contextrepo-totacc%,%r6contextrepo-totdenied%,%r6contextrepototdiscard%

asngw schema asngwSch2 format EMS, ASNGW2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6c ontextrepo-badform%,%r6contextrepo-decodeerr%,%r6contextrepounspecerr%,%r6contextrepo-missmandtlv%,%r6contextrepotlvvalinval%,%r6contextrepo-unknowntlv%,%r6contextrepoduptlvfound%,%r6contextrepo-nosessfound%,%r6contextrepotransiderr%,%r6contextack-totsent%,%r6contextack-retranssent%,%r6contextacktotrec%,%r6contextack-totacc%,%r6contextack-totdenied%,%r6contextacktotdiscard%,%r6contextack-badform%,%r6contextack-decodeerr%,%r6contextackunspecerr%,%r6contextack-missmandtlv%,%r6contextack-tlvvalinval%,%r6contextackunknowntlv%,%r6contextack-duptlvfound%,%r6contextack-nosessfound%,%r6contextacktransiderr%,%r6autheaptra-totsent%,%r6autheaptra-retranssent%,%r6autheaptratotrec%,%r6autheaptra-totacc%,%r6autheaptra-totdenied%,%r6autheaptratotdiscard%,%r6autheaptra-badform%,%r6autheaptra-decodeerr%,%r6autheaptraunspecerr%,%r6autheaptra-missmandtlv%,%r6autheaptra-tlvvalinval%,%r6autheaptraunknowntlv%,%r6autheaptra-duptlvfound%,%r6autheaptra-nosessfound%,%r6autheaptratransiderr%,%r6autheaptra-outofordrcd%,%r6autheapsta-totrec%,%r6autheapstatotacc%,%r6autheapsta-totdenied%,%r6autheapsta-totdiscard%,%r6autheapstabadform%,%r6autheapsta-decodeerr%,%r6autheapsta-unspecerr%,%r6autheapstamissmandtlv%,%r6autheapsta-tlvvalinval%,%r6autheapsta-unknowntlv%,%r6autheapstaduptlvfound%,%r6autheapsta-nosessfound%,%r6autheapsta-transiderr%,%r6autheapstaoutofordrcd%,%r6autheapsta-noresourcedrop%,%r6autheapstabsinireauth%,%r6msattreq-totsent%,%r6msattreq-retranssent%,%r6msattreqtotrec%,%r6msattreq-totacc%,%r6msattreq-totdenied%,%r6msattreqtotdiscard%,%r6msattreq-badform%,%r6msattreq-decodeerr%,%r6msattrequnspecerr%,%r6msattreq-missmandtlv%,%r6msattreq-tlvvalinval%,%r6msattrequnknowntlv%

asngw schema asngwSch3 format

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asngw schema asngwSch4 format

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asngw schema asngwSch5 format

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asngw schema asngwSch6 format

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asngw schema asngwSch7 format

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asngw schema asngwSch8 format

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asngw schema asngwSch9 format

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asngw schema asngwSchA format

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asngw schema asngwSchB format

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adminprohib%, %r4datapathregreq-badform%, %r4datapathregreqdecodeerr%, %r4datapathregreq-duptlvfound%, %r4datapathregreqmissmandtlv%, %r4datapathregreq-noresourcedrop%, %r4datapathregreqnosessfound%, %r4datapathregreq-retranssent%, %r4datapathregreqtlvvalinval%, %r4datapathregreq-totacc%, %r4datapathregreqtotdenied%, %r4datapathregreq-totdiscard%

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asngw schema asngwSchD format

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asngw schema asngwSchN format

EMS, ASNGWN, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6d atapathpreregreq-retranssent%,%r6datapathpreregreqtlvvalinval%,%r6datapathpreregreq-totacc%,%r6datapathpreregreqtotdenied%,%r6datapathpreregreq-totdiscard%,%r6datapathpreregreqtotrec%,%r6datapathpreregreq-totrelay%,%r6datapathpreregreqtotsendfail%,%r6datapathpreregreq-totsent%,%r6datapathpreregreqtransiderr%,%r6datapathpreregreq-unknowntlv%,%r6datapathpreregrequnspecerr%,%r6datapathpreregrsp-adminprohib%,%r6datapathpreregrspbadform%,%r6datapathpreregrsp-decodeerr%,%r6datapathpreregrspduptlvfound%,%r6datapathpreregrsp-missmandtlv%,%r6datapathpreregrspnoresourcedrop%,%r6datapathpreregrsp-nosessfound%,%r6datapathpreregrspretranssent%,%r6datapathpreregrsp-tlvvalinval%,%r6datapathpreregrsptotacc%,%r6datapathpreregrsp-totdenied%,%r6datapathpreregrsptotdiscard%,%r6datapathpreregrsp-totrec%,%r6datapathpreregrsptotrelay%,%r6datapathpreregrsp-totsendfail%,%r6datapathpreregrsptotsent%,%r6datapathpreregrsp-transiderr%,%r6datapathpreregrspunknowntlv%,%r6datapathpreregrsp-unspecerr%,%r6datapathregackadminprohib%,%r6datapathregack-noresourcedrop%,%r6datapathregacktotrelay%,%r6datapathregack-totsendfail%,%r6datapathregreqadminprohib%,%r6datapathregreq-congestion%,%r6datapathregreqnoresourcedrop%,%r6datapathregreq-totrelay%,%r6datapathregreqtotsendfail%,%r6datapathregrsp-adminprohib%,%r6datapathregrspnoresourcedrop%,%r6datapathregrsp-totrelay%,%r6datapathregrsptotsendfail%,%r6hoack-adminprohib%,%r6hoack-badform%

asngw schema asngwSchO format

EMS, ASNGWO, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6h oack-decodeerr%,%r6hoack-duptlvfound%,%r6hoack-missmandtlv%,%r6hoacknoresourcedrop%,%r6hoack-nosessfound%,%r6hoack-retranssent%,%r6hoacktlvvalinval%,%r6hoack-totacc%,%r6hoack-totdenied%,%r6hoack-totdiscard%,%r6hoacktotrec%,%r6hoack-totrelay%,%r6hoack-totsendfail%,%r6hoack-totsent%,%r6hoacktransiderr%,%r6hoack-unknowntlv%,%r6hoack-unspecerr%,%r6hocmpladminprohib%,%r6hocmpl-badform%,%r6hocmpl-decodeerr%,%r6hocmplduptlvfound%,%r6hocmpl-missmandtlv%,%r6hocmpl-noresourcedrop%,%r6hocmplnosessfound%,%r6hocmpl-retranssent%,%r6hocmpl-tlvvalinval%,%r6hocmpltotacc%,%r6hocmpl-totdenied%,%r6hocmpl-totdiscard%,%r6hocmpl-totrec%,%r6hocmpltotrelay%,%r6hocmpl-totsendfail%,%r6hocmpl-totsent%,%r6hocmpltransiderr%,%r6hocmpl-unknowntlv%,%r6hocmpl-unspecerr%,%r6hocnfadminprohib%,%r6hocnf-badform%,%r6hocnf-decodeerr%,%r6hocnfduptlvfound%,%r6hocnf-missmandtlv%,%r6hocnf-noresourcedrop%,%r6hocnfnosessfound%,%r6hocnf-retranssent%,%r6hocnf-tlvvalinval%,%r6hocnftotacc%,%r6hocnf-totdenied%,%r6hocnf-totdiscard%,%r6hocnf-totrec%,%r6hocnftotrelay%,%r6hocnf-totsendfail%,%r6hocnf-totsent%,%r6hocnf-transiderr%,%r6hocnfunknowntlv%,%r6hocnf-unspecerr%,%r6horeq-adminprohib%,%r6horeqbadform%,%r6horeq-decodeerr%,%r6horeq-duptlvfound%,%r6horeqmissmandtlv%,%r6horeq-noresourcedrop%,%r6horeq-nosessfound%,%r6horeqretranssent%, %r6horeq-tlvvalinval%, %r6horeq-totacc%, %r6horeqtotdenied%,%r6horeq-totdiscard%,%r6horeq-totrec%,%r6horeq-totrelay%

asngw schema asngwSchP format

EMS, ASNGWP, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6h oreq-totsendfail%,%r6horeq-totsent%,%r6horeq-transiderr%,%r6horequnknowntlv%,%r6horeq-unspecerr%,%r6horsp-adminprohib%,%r6horspbadform%,%r6horsp-decodeerr%,%r6horsp-duptlvfound%,%r6horspmissmandtlv%,%r6horsp-noresourcedrop%,%r6horsp-nosessfound%,%r6horspretranssent%,%r6horsp-tlvvalinval%,%r6horsp-totacc%,%r6horsptotdenied%,%r6horsp-totdiscard%,%r6horsp-totrec%,%r6horsp-totrelay%,%r6horsptotsendfail%,%r6horsp-totsent%,%r6horsp-transiderr%,%r6horspunknowntlv%,%r6horsp-unspecerr%,%r6imexitstaind-admprohibit%,%r6imexitstaindbadform%,%r6imexitstaind-decodeerr%,%r6imexitstaindduptlvfound%,%r6imexitstaind-missmandtlv%,%r6imexitstaindnoresourcedrop%, %r6imexitstaind-nosessfound%, %r6imexitstaindretranssent%,%r6imexitstaind-tlvvalinval%,%r6imexitstaindtotacc%,%r6imexitstaind-totdenied%,%r6imexitstaind-totdiscard%,%r6imexitstaindtotrec%,%r6imexitstaind-totrelay%,%r6imexitstaind-totsendfail%,%r6imexitstaindtotsent%,%r6imexitstaind-transiderr%,%r6imexitstaindunknowntlv%,%r6imexitstaind-unspecerr%,%r6imexitstaindackadmprohibit%,%r6imexitstaindack-badform%,%r6imexitstaindackdecodeerr%,%r6imexitstaindack-duptlvfound%,%r6imexitstaindackmissmandtlv%,%r6imexitstaindack-noresourcedrop%,%r6imexitstaindacknosessfound%,%r6imexitstaindack-retranssent%,%r6imexitstaindacktlvvalinval%,%r6imexitstaindack-totacc%,%r6imexitstaindacktotdenied%,%r6imexitstaindack-totdiscard%,%r6imexitstaindacktotrec%,%r6imexitstaindack-totrelay%

asngw schema asngwSchQ format

EMS, ASNGWQ, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6i mexitstaindack-totsendfail%,%r6imexitstaindack-totsent%,%r6imexitstaindacktransiderr%, %r6imexitstaindack-unknowntlv%, %r6imexitstaindackunspecerr%, %r6keychaack-adminprohib%, %r6keychaack-noresourcedrop%, %r6keychaacktotrelay%,%r6keychaack-totsendfail%,%r6keychacnf-adminprohib%,%r6keychacnfbadform%,%r6keychacnf-decodeerr%,%r6keychacnf-duptlvfound%,%r6keychacnfmissmandtlv%,%r6keychacnf-noresourcedrop%,%r6keychacnfnosessfound%,%r6keychacnf-tlvvalinval%,%r6keychacnf-totacc%,%r6keychacnftotdenied%,%r6keychacnf-totdiscard%,%r6keychacnf-totrec%,%r6keychacnftotrelay%,%r6keychacnf-transiderr%,%r6keychacnf-unknowntlv%,%r6keychacnfunspecerr%, %r6keychadir-adminprohib%, %r6keychadir-noresourcedrop%, %r6keychadirtotrelay%,%r6keychadir-totsendfail%,%r6msattack-adminprohib%,%r6msattacknoresourcedrop%, %r6msattack-totrelay%, %r6msattack-totsendfail%, %r6msattreqadminprohib%,%r6msattreq-noresourcedrop%,%r6msattreq-totrelay%,%r6msattreqtotsendfail%,%r6msattrsp-adminprohib%,%r6msattrsp-noresourcedrop%,%r6msattrsptotrelay%,%r6msattrsp-totsendfail%,%r6mspreattack-adminprohib%,%r6mspreattacknoresourcedrop%,%r6mspreattack-totrelay%,%r6mspreattacktotsendfail%,%r6mspreattreq-adminprohib%,%r6mspreattreqcongestion%,%r6mspreattreg-noresourcedrop%,%r6mspreattregtotrelay%, %r6mspreattreq-totsendfail%, %r6mspreattrspadminprohib%,%r6mspreattrsp-noresourcedrop%,%r6mspreattrsptotrelay%,%r6mspreattrsp-totsendfail%,%r6nwexitmsstachareq-adminprohib%

asngw schema asngwSchR format

EMS, ASNGWR, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6n wexitmsstachareq-badform%,%r6nwexitmsstachareq-decodeerr%,%r6nwexitmsstachareqduptlvfound%,%r6nwexitmsstachareq-missmandtlv%,%r6nwexitmsstachareqnoresourcedrop%,%r6nwexitmsstachareq-nosessfound%,%r6nwexitmsstachareqretranssent%,%r6nwexitmsstachareq-tlvvalinval%,%r6nwexitmsstachareqtotacc%,%r6nwexitmsstachareq-totdenied%,%r6nwexitmsstachareqtotdiscard%,%r6nwexitmsstachareq-totrec%,%r6nwexitmsstachareqtotrelay%,%r6nwexitmsstachareq-totsendfail%,%r6nwexitmsstachareqtotsent%,%r6nwexitmsstachareq-transiderr%,%r6nwexitmsstacharequnknowntlv%,%r6nwexitmsstachareq-unspecerr%,%r6nwexitmsstacharspadminprohib%,%r6nwexitmsstacharsp-badform%,%r6nwexitmsstacharspdecodeerr%,%r6nwexitmsstacharsp-duptlvfound%,%r6nwexitmsstacharspmissmandtlv%,%r6nwexitmsstacharsp-noresourcedrop%,%r6nwexitmsstacharspnosessfound%,%r6nwexitmsstacharsp-retranssent%,%r6nwexitmsstacharsptlvvalinval%,%r6nwexitmsstacharsp-totacc%,%r6nwexitmsstacharsptotdenied%,%r6nwexitmsstacharsp-totdiscard%,%r6nwexitmsstacharsptotrec%,%r6nwexitmsstacharsp-totrelay%,%r6nwexitmsstacharsptotsendfail%,%r6nwexitmsstacharsp-totsent%,%r6nwexitmsstacharsptransiderr%,%r6nwexitmsstacharsp-unknowntlv%,%r6nwexitmsstacharspunspecerr%,%r6unknown-adminprohib%,%r6unknown-noresourcedrop%,%r6unknowntotrelay%,%total-sessions-connected%,%r6keepalivereq-totsent%,%r6keepalivereqretranssent%,%r6keepalivereq-totsendfail%,%r6keepalivereqtotrec%,%r6keepalivereq-totacc%

asngw schema asngwSchS format

EMS, ASNGWS, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %r6k eepalivereq-totrelay%,%r6keepalivereq-totdenied%,%r6keepalivereqtotdiscard%,%r6keepalivereq-badform%,%r6keepalivereq-decodeerr%,%r6keepaliverequnspecerr%, %r6keepalivereq-tlvvalinval%, %r6keepalivereqmissmandtlv%,%r6keepalivereq-unknowntlv%,%r6keepalivereqduptlvfound%,%r6keepalivereq-nosessfound%,%r6keepalivereqnoresourcedrop%,%r6keepalivereq-admprohibit%,%r6keepalivereqtransiderr%,%r6keepaliversp-totsent%,%r6keepaliverspretranssent%, %r6keepaliversp-totsendfail%, %r6keepaliversptotrec%,%r6keepaliversp-totacc%,%r6keepaliversp-totrelay%,%r6keepaliversptotdenied%,%r6keepaliversp-totdiscard%,%r6keepaliversp-badform%,%r6keepaliverspdecodeerr%,%r6keepaliversp-unspecerr%,%r6keepaliversptlvvalinval%,%r6keepaliversp-missmandtlv%,%r6keepaliverspunknowntlv%,%r6keepaliversp-duptlvfound%,%r6keepaliverspnosessfound%,%r6keepaliversp-noresourcedrop%,%r6keepaliverspadmprohibit%,%r6keepaliversp-transiderr%

sgsn schema sgsnSch1 format

EMS, SGSN1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-attached%, %2Gattached%,%3G-home-subscribers%,%2G-home-subscribers%,%3G-visitingnational%,%2G-visiting-national%,%3G-visiting-foreign%,%2G-visitingforeign%, %pmm-connected%, %pmm-idle%, %3G-IMSI-Attch%, %2G-IMSI-Attch%, %3G-ptmsi-Attch%,%2G-ptmsi-Attch%,%3G-attach-accept%,%2G-attch-accept%,%3G-attachcomplete%,%2G-attach-complete%,%3G-attach-reject%,%2G-attach-reject%,%3G-intrarau%,%2G-intra-rau%,%3G-periodic-rau%,%2G-periodic-rau%,%3G-inter-sgsn-rau%,%2Ginter-sgsn-rau%,%3G-rau-complete%,%2G-rau-complete%,%3G-rau-reject%,%2G-raureject%,%3G-ms-init-detach%,%2G-ms-init-detach%,%3G-nw-init-detach%,%2G-nw-initdetach%,%3G-ms-init-detach-accept%,%2G-ms-init-detach-accept%,%3G-nw-initdetach-accept%,%2G-nw-init-detach-accept%,%3G-signalling-service-request%,%2Gsignalling-service-request%,%3G-data-service-request%,%2G-data-servicerequest%,%3G-service-response%,%2G-service-response%,%3G-service-reject%,%2Gservice-reject%,%3G-paging-request%,%2G-paging-request%,%3G-gmm-statussent%,%2G-gmm-status-sent%,%3G-gmm-status-rcvd%,%2G-gmm-status-rcvd%,%3G-authcipher-request%,%2G-auth-cipher-request%,%3G-auth-cipher-response%,%2G-authcipher-response%,%3G-auth-cipher-reject%,%2G-auth-cipher-reject%,%3G-authcipher-mac-fail%,%2G-auth-cipher-mac-fail%,%3G-auth-cipher-syn-fail%,%2G-authcipher-syn-fail%,%3G-ptmsi-realloc%,%2G-ptmsi-realloc%,%3G-ptmsi-realloccomplete%, %2G-ptmsi-realloc-complete%, %3G-imsi-identity-request%, %2G-imsiidentity-request%,%3G-imeisv-identity-request%,%2G-imeisv-identity-request%,%3Gimsi-identity-response%,%2G-imsi-identity-response%,%3G-imeisv-identityresponse%,%2G-imeisv-identity-response%,%3G-unknown-identity-response%,%2Gunknown-identity-response%

sgsn schema sgsnSch2 format

EMS, SGSN2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %common-id-sent%, %sec-modecommand%, %sec-mode-complete%, %sec-mode-reject%, %Iu-release-request%, %Iu-releasecommand%, %Iu-release-complete%, %Reset-received%, %Retransmitted-resetreceived%, %Reset-Ack-sent%, %Reset-sent%, %Retransmitted-reset-sent%, %Reset-Ackreceived%, %Resource-reset-received%, %Resource-reset-ack-sent%, %Resource-resetsent%, %Resource-reset-ack-received%, %Error-indication-rcvd%, %Relocationrequired%, %Relocation-command%, %Relocation-request%, %Relocation-requestack%, %Relocation-failure%, %Relocation-prep-failure%, %Relocationcancel%,%Relocation-cancel-ack%,%Relocation-detect%,%Relocationcomplete%,%Forward-srns-context%,%GMM-received-nas-pdu%,%GMM-sent-nas-pdu%,%SMreceived-nas-pdu%,%SM-sent-nas-pdu%,%Unidentified-nas-pdu%,%3G-total-actvreq%,%3G-total-actv-accept%,%3G-ms-modify-req%,%3G-ms-modify-accept%,%3G-nwmodify-req%,%3G-nw-modify-accept%,%3G-ms-deactv-req%,%3G-ms-deactv-accept%,%3Gsgsn-init-deact-reg%,%3G-sgsn-init-deact-acc%,%RNC-rab-modify-reg%,%RNC-rab-relreq%,%rab-assign-req%,%rab-assign-rsp%,%rab-set/mod-req%,%rab-set/mod-acc%,%rabrel-req%,%rab-rel-accept%,%map-open-req-tx%,%map-open-req-rx%,%map-open-rsptx%, %map-open-rsp-rx%, %map-close-tx%, %map-close-rx%, %map-abort-tx%, %map-abortrx%, %map-gprs-update-loc-reg-tx%, %map-gprs-update-loc-rsp-tx%, %map-gprs-updateloc-err-tx%,%map-gprs-update-loc-timeouts-rx%,%map-cancel-loc-req-rx%,%mapcancel-loc-rsp-tx%,%map-cancel-loc-err-tx%,%map-del-subs-req-rx%,%map-del-subsrsp-tx%, %map-del-subs-ret-tx%, %map-auth-timeouts-rcvd%, %map-purge-timeoutsrcvd%, %map-insert-subs-rcvd%, %map-standalone-isd-rcvd%, %map-isd-rsp-tx%, %mapisd-err-tx%,%map-auth-fail-rept-req-tx%,%map-auth-fail-rept-rsp-rx%,%map-authfail-rept-err-rx%

sgsn schema sgsnSch3 format

EMS, SGSN3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %map-auth-fail-repttimeouts-rcvd%, %map-hlr-reset-rcvd%, %tcap-total-active-trans%, %tcap-totalactive-invoks%,%tcap-total-msg-drops%,%tcap-total-msg-rcvd%,%tcap-total-msgsent%,%tcap-total-abort-rcvd%,%tcap-total-abort-sent%,%tcap-total-comprx%, %tcap-total-comp-tx%, %tcap-comp-reterr-rx%, %tcap-comp-reterr-tx%, %tcap-compretrej-rx%,%tcap-comp-retrej-tx%,%tcap-tran-incorrect-rx%,%tcap-tran-incorrecttx%, %tcap-tran-badformed-rx%, %tcap-tran-badformed-tx%, %tcap-tran-unrecognisedrx%, %tcap-tran-unrecognised-tx%, %tcap-comp-incorrect-rx%, %tcap-comp-incorrecttx%, %tcap-comp-badformed-rx%, %tcap-comp-badformed-tx%, %tcap-comp-unrec-invidres-rx%, %tcap-comp-unrec-invid-res-tx%, %tcap-comp-unexp-res-rx%, %tcap-compunexp-res-tx%,%tcap-user-unrec-opcode-rx%,%tcap-user-unrec-opcode-tx%,%tcapuser-incorr-params-rx%, %tcap-user-incorr-params-tx%, %tcap-user-resourcelimitrx%, %tcap-user-resourcelimit-tx%, %rab-set/mod-tmr-expired%, %rab-rel-tmrexpired%,%3G-rau-accept-intra%,%3G-rau-accept-inter%,%2G-rau-accept-intra%,%2Grau-accept-inter%,%3G-attached-with-pdp%,%3G-attached-no-pdp%,%3G-gmm-infosent%,%2G-gmm-info-sent%,%3G-auth-cipher-rsp-sres-mismatch%,%2G-auth-cipher-rspsres-mismatch%,%3G-auth-unacceptable%,%2G-auth-unacceptable%,%3G-imei-identityrequest%,%2G-imei-identity-request%,%3G-imei-identity-response%,%2G-imeiidentity-response%, %Initial-UE-Rcvd%, %Direct-Trans-Rcvd%, %Error-indicationsent%,%3G-total-num-actv-pdp%,%3G-primary-actv-req%,%3G-primary-actvaccept%,%3G-primary-actv-reject%,%3G-secondary-actv-req%,%3G-secondary-actvacc%,%3G-secondary-actv-rej%,%3G-dupl-ti-pdpactive%,%3G-dupl-nsapi-pdpactv%,%3Gdupl-pdpaddr-apn-pdpactv%,%3G-dupl-ti-n-pdpactive%,%3G-dupl-pdpaddr-apn-npdpactv%,%3G-ms-modify-rej%,%3G-nw-modify-rej%,%3G-ms-deactv-reject%

sgsn schema sgsnSch4 format

EMS, SGSN4, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-sgsn-init-deactrej%, %3G-total-sm-status-req-rx%, %3G-total-sm-status-req-tx%, %RNC-rab-modifynum%, %RNC-rab-rel-num%, %rab-set/mod-fail%, %rab-rel-fail%, %rab-queued%, %totalrab-rej%, %SRNS-ctxt-req-sent%, %SRNS-ctxt-rsp-rcvd%, %SRNS-ctxt-req-tmrexpired%, %SRNS-ctxt-total-pdp-acc%, %SRNS-ctxt-total-pdp-rej%, %SRNS-data-fwd-cmdsent%, %map-auth-req-tx%, %map-auth-succes%, %map-auth-fail%, %map-imei-reqtx%, %map-imei-succes%, %map-imei-fail%, %map-imei-timeout%, %map-purge-req-

tx%,%map-purge-success%,%map-purge-fail%,%tcap-uni-dir-msg-rcvd%,%tcap-uni-dirmsg-sent%,%tcap-begin-msg-rcvd%,%tcap-begin-msg-sent%,%tcap-continue-msgrcvd%,%tcap-continue-msg-sent%,%tcap-end-msg-rcvd%,%tcap-end-msg-sent%,%tcaptotal-comp-invoke-rx%,%tcap-total-comp-invoke-tx%,%tcap-comp-retresultrx%,%tcap-comp-retresult-tx%,%tcap-tran-unrec-msgtype-rx%,%tcap-tran-unrecmsgtype-tx%,%tcap-tran-resource-limit-rx%,%tcap-tran-resource-limit-tx%,%tcapcomp-unrecognised-rx%, %tcap-comp-unrecognised-tx%, %tcap-comp-unrec-linkidrx%, %tcap-comp-unrec-linkid-tx%, %tcap-comp-unrec-invid-err-rx%, %tcap-comp-unrecinvid-err-tx%,%tcap-comp-unexp-err-rx%,%tcap-comp-unexp-err-tx%,%tcap-userduplicate-invid-rx%, %tcap-user-duplicate-invid-tx%, %tcap-user-unexp-linked-resprx%, %tcap-user-unexp-linked-resp-tx%, %tcap-user-unexp-linked-oper-rx%, %tcapuser-unexp-linked-oper-tx%,%tcap-user-res-incorr-params-rx%,%tcap-user-resincorr-params-tx%,%tcap-user-res-unrec-errcode-rx%,%tcap-user-res-unrec-errcodetx%,%tcap-user-res-unexp-errcode-rx%,%tcap-user-res-unexp-errcode-tx%,%tcapuser-err-incorr-params-rx%, %tcap-user-err-incorr-params-tx%, %tcap-user-initiaterelease-rx%,%tcap-user-initiate-release-tx%,%3G-dupl-nsapi-n-pdpactv%,%Direct-Trans-Sent%,%3G-T3350-expiry%

sgsn schema sgsnSch5 format

EMS, SGSN5, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-T3350-expiry%, %3G-T3360-expiry%,%2G-T3360-expiry%,%3G-T3370-expiry%,%2G-T3370-expiry%,%3G-T3322expiry%,%2G-T3322-expiry%,%3G-T3313-expiry%,%2G-T3313expiry%,%mcc%,%mnc%,%lac%,%rac%,%2G-local-ptmsi-Attch%,%2G-paging-success%,%2Gremote-ptmsi-Attch%,%3G-actv-rej-apn-restriction-incompatible%,%3G-actv-rej-byggsn%,%3G-actv-rej-conditional-ie-err%,%3G-actv-rej-ie-non-existent%,%3G-actvrej-insufficient-resources%,%3G-actv-rej-invalid-mandatory-info%,%3G-actv-rejmissing-or-unknown-apn%,%3G-actv-rej-msg-not-compatible-with-prot-state%,%3Gactv-rej-msg-type-non-existent%,%3G-actv-rej-network-failure%,%3G-actv-rejodb%,%3G-actv-rej-pdp-notft-actv%,%3G-actv-rej-prot-err-unspecified%,%3G-actvrej-recovery-on-timer-expiry%,%3G-actv-rej-semantically-incorrect%,%3G-actv-rejsemantic-err-in-pkt-filter%,%3G-actv-rej-semantic-error-tft-operation%,%3G-actvrej-service-not-subscribed%,%3G-actv-rej-service-not-supported%,%3G-actv-rejsvc-opt-tmp-out-of-order%,%3G-actv-rej-syntax-err-in-pkt-filter%,%3G-actv-rejsyntax-err-in-tft-operation%,%3G-actv-rej-unknown-pdp-addr-type%,%3G-actv-rejunknown-pdp-context%,%3G-actv-rej-unspecified-error%,%3G-actv-rej-usr-authfailed%,%3G-attach-rej-congestion%,%3G-attach-rej-illegal-me%,%3G-attach-rejillegal-ms%,%3G-attach-rej-implicitly-detach%,%3G-attach-rej-imsi-unknown-athlr%,%3G-attach-rej-network-failure%,%3G-attach-rej-plmn-not-allowed%,%3Gattach-rej-unknown-cause%,%3G-detached%,%3G-ggsn-init-deact-acc%,%3G-ggsn-initdeact-rej%,%3G-ggsn-init-deact-req%,%3G-gprs-and-non-gprs-service-notallowed%,%3G-gprs-service-not-allowed%,%3G-gprs-service-not-allowed-in-thisplmn%,%3G-hlr-init-deact-acc%,%3G-hlr-init-deact-rej%,%3G-hlr-init-deactreq%,%3G-local-ptmsi-Attch%

sgsn schema sgsnSch6 format

EMS, SGSN6, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-no-suitable-cells-inlocation-area%, %3G-paging-success%, %3G-total-attach-req%, %exist-conn-proc-rejoverload%, %new-connection-rejected-overload%, %3G-total-actv-pdp-with-dirtunnel%, %3G-remote-ptmsi-Attch%, %3G-roaming-not-allowed-in-this-locationarea%, %3G-inter-rau-reject%, %3G-total-inter-rau-failure%, %3G-rau-acceptperiodic%, %3G-periodic-rau-reject%, %3G-total-periodic-rau-failure%, %3G-intrarau-reject%, %3G-total-intra-rau-failure%, %3G-total-attach-fail%, %3G-total-actv-

reject%,%3G-total-actv-fail%,%3G-intra-rau-rej-imsi-unknown-hlr%,%2G-intra-raurej-imsi-unknown-hlr%,%3G-intra-rau-rej-illegal-ms%,%2G-intra-rau-rej-illegalms%,%3G-intra-rau-rej-illegal-me%,%2G-intra-rau-rej-illegal-me%,%3G-intra-raurej-gprs-svc-not-allw%,%2G-intra-rau-rej-gprs-svc-not-allw%,%3G-intra-rau-rejnongprs-svc-not-allow%,%2G-intra-rau-rej-nongprs-svc-not-allow%,%3G-intra-raurej-msid-not-derived-by-nw%,%2G-intra-rau-rej-msid-not-derived-by-nw%,%3G-intrarau-rej-implicitly-detach%,%2G-intra-rau-rej-implicitly-detach%,%3G-intra-raurej-plmn-not-allowed%,%2G-intra-rau-rej-plmn-not-allowed%,%3G-intra-rau-rej-locarea-not-allow%,%2G-intra-rau-rej-loc-area-not-allow%,%3G-intra-rau-rej-roamnot-allow-larea%, %2G-intra-rau-rej-roam-not-allow-larea%, %3G-intra-rau-rej-gprssvc-not-allow-plmn%,%2G-intra-rau-rej-gprs-svc-not-allow-plmn%,%3G-intra-raurej-no-cells-in-loc-area%,%2G-intra-rau-rej-no-cells-in-loc-area%,%3G-intra-raurej-msc-not-reachable%,%2G-intra-rau-rej-msc-not-reachable%,%3G-intra-rau-rejnetwork-failure%,%2G-intra-rau-rej-network-failure%,%3G-intra-rau-rej-macfailure%,%2G-intra-rau-rej-mac-failure%,%3G-intra-rau-rej-syn-failure%,%2Gintra-rau-rej-syn-failure%,%3G-intra-rau-rej-congestion%,%2G-intra-rau-rejcongestion%

sgsn schema sgsnSch7 format

EMS, SGSN7, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-intra-rau-rej-gsm-authunacceptable%,%2G-intra-rau-rej-gsm-auth-unacceptable%,%3G-intra-rau-rej-no-pdpctx-actv%,%2G-intra-rau-rej-no-pdp-ctx-actv%,%3G-intra-rau-rej-retry-from-newcell%,%2G-intra-rau-rej-retry-from-new-cell%,%3G-intra-rau-rej-inval-mandinfo%,%2G-intra-rau-rej-inval-mand-info%,%3G-intra-rau-rej-msg-type-nonexist%,%2G-intra-rau-rej-msg-type-non-exist%,%3G-intra-rau-rej-mtype-incompatpstate%,%2G-intra-rau-rej-mtype-incompat-pstate%,%3G-intra-rau-rej-ie-nonexistent%,%2G-intra-rau-rej-ie-non-existent%,%3G-intra-rau-rej-cond-ieerror%,%2G-intra-rau-rej-cond-ie-error%,%3G-intra-rau-rej-msg-incompat-protstate%,%2G-intra-rau-rej-msg-incompat-prot-state%,%3G-intra-rau-rej-proterror%,%2G-intra-rau-rej-prot-error%,%3G-intra-rau-rej-unknown-error%,%2G-intrarau-rej-unknown-error%,%3G-intra-prau-rej-imsi-unknown-hlr%,%2G-intra-prau-rejimsi-unknown-hlr%,%3G-intra-prau-rej-illegal-ms%,%2G-intra-prau-rej-illegalms%,%3G-intra-prau-rej-illegal-me%,%2G-intra-prau-rej-illegal-me%,%3G-intraprau-rej-gprs-svc-not-allow%,%2G-intra-prau-rej-gprs-svc-not-allow%,%3G-intraprau-rej-nongprs-svc-not-allow%,%2G-intra-prau-rej-nongprs-svc-not-allow%,%3Gintra-prau-rej-msid-not-derived-by-nw%,%2G-intra-prau-rej-msid-not-derived-bynw%,%3G-intra-prau-rej-implicitly-detach%,%2G-intra-prau-rej-implicitlydetach%,%3G-intra-prau-rej-plmn-not-allowed%,%2G-intra-prau-rej-plmn-notallowed%,%3G-intra-prau-rej-loc-area-not-allowed%,%2G-intra-prau-rej-loc-areanot-allowed%,%3G-intra-prau-rej-roam-not-allowed-larea%,%2G-intra-prau-rej-roamnot-allowed-larea%,%3G-intra-prau-rej-gprs-svc-not-allowed-plmn%,%2G-intra-praurej-gprs-svc-not-allowed-plmn%,%3G-intra-prau-rej-congestion%,%2G-intra-praurej-congestion%

sgsn schema sgsnSch8 format

EMS, SGSN8, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-intra-prau-rej-gsmauth-unacceptable%, %2G-intra-prau-rej-gsm-auth-unacceptable%, %3G-intra-prau-rejno-pdp-ctx-actv%, %2G-intra-prau-rej-no-pdp-ctx-actv%, %3G-intra-prau-rej-retryfrom-new-cell%, %2G-intra-prau-rej-retry-from-new-cell%, %3G-intra-prau-rej-semwrong-msg%, %2G-intra-prau-rej-sem-wrong-msg%, %3G-intra-prau-rej-inval-mandinfo%, %2G-intra-prau-rej-inval-mand-info%, %3G-intra-prau-rej-msg-type-nonexist%, %2G-intra-prau-rej-msg-type-non-exist%, %3G-intra-prau-rej-mtype-incompatpstate%,%2G-intra-prau-rej-mtype-incompat-pstate%,%3G-intra-prau-rej-ie-nonexistent%,%2G-intra-prau-rej-ie-non-existent%,%3G-intra-prau-rej-cond-ieerror%,%2G-intra-prau-rej-cond-ie-error%,%3G-intra-prau-rej-msg-incompatpstate%,%2G-intra-prau-rej-msg-incompat-pstate%,%3G-intra-prau-rej-proterror%,%2G-intra-prau-rej-prot-error%,%3G-intra-prau-rej-unknown-error%,%2Gintra-prau-rej-unknown-error%,%3G-inter-rau-rej-imsi-unknown-hlr%,%2G-inter-raurej-imsi-unknown-hlr%,%3G-inter-rau-rej-illegal-ms%,%2G-inter-rau-rej-illegalms%,%3G-inter-rau-rej-illegal-me%,%2G-inter-rau-rej-illegal-me%,%3G-inter-raurej-gprs-svc-not-allow%,%2G-inter-rau-rej-gprs-svc-not-allow%,%3G-inter-rau-rejnongprs-svc-not-allow%,%2G-inter-rau-rej-nongprs-svc-not-allow%,%3G-inter-raurej-msid-not-derived-by-nw%,%2G-inter-rau-rej-msid-not-derived-by-nw%,%3G-interrau-rej-implicitly-detach%,%2G-inter-rau-rej-implicitly-detach%,%3G-inter-raurej-plmn-not-allowed%,%2G-inter-rau-rej-plmn-not-allowed%,%3G-inter-rau-rej-locarea-not-allowed%,%2G-inter-rau-rej-loc-area-not-allowed%,%3G-inter-rau-rejroam-not-allowed-larea%, %2G-inter-rau-rej-roam-not-allowed-larea%, %3G-inter-raurej-gprs-svc-not-allowed-plmn%,%2G-inter-rau-rej-gprs-svc-not-allowed-plmn%

sgsn schema sgsnSch9 format

EMS, SGSN9, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-inter-rau-rej-no-cellsin-location-area%,%2G-inter-rau-rej-no-cells-in-location-area%,%3G-inter-raurej-msc-not-reachable%,%2G-inter-rau-rej-msc-not-reachable%,%3G-inter-rau-rejnetwork-failure%,%2G-inter-rau-rej-network-failure%,%3G-inter-rau-rej-macfailure%,%2G-inter-rau-rej-mac-failure%,%3G-inter-rau-rej-syn-failure%,%2Ginter-rau-rej-syn-failure%,%3G-inter-rau-rej-congestion%,%2G-inter-rau-rejcongestion%,%3G-inter-rau-rej-gsm-auth-unacceptable%,%2G-inter-rau-rej-gsm-authunacceptable%,%3G-inter-rau-rej-no-pdp-ctx-actv%,%2G-inter-rau-rej-no-pdp-ctxactv%,%3G-inter-rau-rej-retry-from-new-cell%,%2G-inter-rau-rej-retry-from-newcell%,%3G-inter-rau-rej-sem-wrong-msg%,%2G-inter-rau-rej-sem-wrong-msg%,%3Ginter-rau-rej-inval-mand-info%,%2G-inter-rau-rej-inval-mand-info%,%3G-inter-raurej-msg-type-non-exist%,%2G-inter-rau-rej-msg-type-non-exist%,%3G-inter-rau-rejmtype-incompat-pstate%,%2G-inter-rau-rej-mtype-incompat-pstate%,%3G-inter-raurej-ie-non-existent%,%2G-inter-rau-rej-ie-non-existent%,%3G-inter-rau-rej-condie-error%,%2G-inter-rau-rej-cond-ie-error%,%3G-inter-rau-rej-msg-not-compatpstate%,%2G-inter-rau-rej-msg-not-compat-pstate%,%3G-inter-rau-rej-proterror%,%2G-inter-rau-rej-prot-error%,%3G-inter-rau-rej-unknown-error%,%2G-interrau-rej-unknown-error%,%3G-intra-ra-upd-rau-fail-iu_release%,%3G-intra-ra-updrau-fail-ongoing-proc%,%2G-intra-ra-upd-rau-fail-ongoing-proc%,%3G-intra-periorau-fail-iu_release%,%3G-intra-perio-rau-fail-ongoing-proc%,%2G-intra-perio-raufail-ongoing-proc%,%3G-inter-rau-fail-iu_release%,%3G-inter-rau-fail-ongoingproc%,%2G-inter-rau-fail-ongoing-proc%,%3G-attach-fail-iu_release%,%3G-attachfail-ongoing-proc%, %2G-attach-fail-ongoing-proc%

sgsn schema sgsnSchA format

EMS, SGSNA, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-total-attach-fail%, %3Gtotal-rau-failure%, %2G-total-rau-failure%, %2G-rau-accept-periodic%, %3G-ret-rauaccept-periodic%, %2G-ret-rau-accept-periodic%, %2G-intra-rau-reject%, %2Gperiodic-rau-reject%, %2G-inter-rau-reject%, %2G-total-intra-rau-failure%, %2Gtotal-periodic-rau-failure%, %2G-total-inter-rau-failure%, %2G-total-actvreq%, %2G-total-actv-accept%, %2G-total-num-actv-pdp%, %2G-primary-actv-req%, %2Gprimary-actv-accept%, %2G-total-actv-reject%, %2G-primary-actv-reg%, %2Gsecondary-actv-req%, %2G-secondary-actv-acc%, %2G-secondary-actv-rej%, %2G-actvrej-odb%, %2G-actv-rej-insufficient-resources%, %2G-actv-rej-network-failure%, %2G- actv-rej-missing-or-unknown-apn%, %2G-actv-rej-unknown-pdp-addr-type%, %2G-actvrej-usr-auth-failed%, %2G-actv-rej-by-ggsn%, %2G-actv-rej-unspecified-error%, %2Gactv-rej-service-not-supported%, %2G-actv-rej-service-not-subscribed%, %2G-actvrej-svc-opt-tmp-out-of-order%, %2G-actv-rej-apn-restriction-incompatible%, %2Gactv-rej-semantically-incorrect%, %2G-actv-rej-invalid-mandatory-info%, %2G-actvrej-msg-type-non-existent%, %2G-actv-rej-ie-non-existent%, %2G-actv-rejconditional-ie-err%, %2G-actv-rej-msg-not-compatible-with-prot-state%, %2G-actvrej-recovery-on-timer-expiry%, %2G-actv-rej-prot-err-unspecified%, %2G-actv-rejllc-sndcp-fail%, %2G-actv-rej-qos-not-acc%, %2G-actv-rej-semantic-error-tftoperation%, %2G-actv-rej-syntax-err-in-tft-operation%, %2G-actv-rej-unknown-pdpcontext%, %2G-actv-rej-semantic-err-in-pkt-filter%, %2G-actv-rej-syntax-err-inpkt-filter%, %2G-actv-rej-pdp-notft-actv%, %2G-dupl-ti-pdpactive%, %2G-dupl-nsapipdpactv%, %2G-dupl-pdpaddr-apn-pdpactv%

sgsn schema sgsnSchB format

EMS, SGSNB, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-ms-modify-req%, %2G-msmodify-accept%,%2G-ms-modify-rej%,%2G-nw-modify-req%,%2G-nw-ret-modify-req%,%2Gnw-modify-accept%,%2G-nw-modify-rej%,%2G-modify-rej-insufficient-resources%,%2Gmodify-rej-service-opt-not-supported%,%2G-modify-rej-semantic-err-tftoperation%,%2G-modify-rej-syntax-err-tft-operation%,%2G-modify-rej-semnatic-errpkt-filter%,%2G-modify-rej-syntax-err-pkt-filter%,%2G-modify-rej-semnaticincorrect-message%,%2G-modify-rej-invalid-mand-info%,%2G-modify-rej-msg-nonexistent%,%2G-modify-rej-ie-non-existent%,%2G-modify-rej-conditional-ieerr%,%2G-modify-rej-msg-not-compatible-prot-state%,%2G-modify-rej-rcvry-on-tmrexpiry%,%2G-modify-rej-prot-err-unspec%,%2G-ms-deactv-req%,%2G-ms-deactvaccept%,%2G-ms-deactv-reject%,%2G-ms-deactv-rej-rx-odb%,%2G-ms-deactv-rej-rxmbms-cap-insuff-res%,%2G-ms-deactv-rej-rx-llc-sndcp-fail-gb%,%2G-ms-deactv-rejrx-insuff-res%,%2G-ms-deactv-rej-rx-miss-unkwn-apn%,%2G-ms-deactv-rej-rx-unkwnpdp-addr%,%2G-ms-deactv-rej-rx-usr-auth-fail%,%2G-ms-deactv-rej-rx-actv-rejggsn%,%2G-ms-deactv-rej-rx-actv-rej-unspec%,%2G-ms-deactv-rej-rx-service-opt-nosupport%,%2G-ms-deactv-rej-rx-service-opt-no-subs%,%2G-ms-deactv-rej-rx-svc-opttemp-out-order%,%2G-ms-deactv-rej-rx-nsapi-already-used%,%2G-ms-deactv-rej-rxreg-deactv%,%2G-ms-deactv-rej-rx-qos-not-acc%,%2G-ms-deactv-rej-rx-nwtfail%,%2G-ms-deactv-rej-rx-reactivation-req%,%2G-ms-deactv-rej-rx-no-featuresupport%,%2G-ms-deactv-rej-rx-sem-err-tft-op%,%2G-ms-deactv-rej-rx-syn-err-tftop%,%2G-ms-deactv-rej-rx-unknown-ctx%,%2G-ms-deactv-rej-rx-ctx-no-tft-alreadyactv%,%2G-ms-deactv-rej-rx-mcast-grp-mem-tout%,%2G-ms-deactv-rej-rx-sem-err-pktfilter%,%2G-ms-deactv-rej-rx-syn-err-pkt-filter%,%2G-ms-deactv-rej-rx-invalidtrans-id%

sgsn schema sgsnSchC format

EMS, SGSNC, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-ms-deactv-rej-rx-semincorrect-msg%, %2G-ms-deactv-rej-rx-inval-mand-info%, %2G-ms-deactv-rej-rx-msgnon-existent%, %2G-ms-deactv-rej-rx-ie-non-existent%, %2G-ms-deactv-rej-rx-condie-err%, %2G-ms-deactv-rej-rx-prot-err-unspec%, %2G-ms-deactv-rej-rx-apn-restincomap-actv-pdp%, %2G-ms-deactv-rej-rx-msg-not-compat-prot-state%, %2G-ms-deactvrej-rx-rcvry-on-tmr-expiry%, %2G-sgsn-init-deact-req%, %2G-sgsn-init-deactacc%, %2G-ggsn-init-deact-rej%, %2G-ggsn-init-deact-req%, %2G-ggsn-init-deactacc%, %2G-ggsn-init-deact-rej%, %2G-nw-deactv-rej-tx-odb%, %2G-nw-deactv-rej-txmbms-cap-insuff-res%, %2G-nw-deactv-rej-tx-llc-sndcp-fail-gb%, %2G-nw-deactv-rejtx-insuff-res%,%2G-nw-deactv-rej-tx-miss-unkwn-apn%,%2G-nw-deactv-rej-tx-unkwnpdp-addr%,%2G-nw-deactv-rej-tx-usr-auth-fail%,%2G-nw-deactv-rej-tx-actv-rejggsn%,%2G-nw-deactv-rej-tx-actv-rej-unspec%,%2G-nw-deactv-rej-tx-service-opt-nosupport%,%2G-nw-deactv-rej-tx-service-opt-no-subs%,%2G-nw-deactv-rej-tx-svc-opttemp-out-order%,%2G-nw-deactv-rej-tx-nsapi-already-used%,%2G-nw-deactv-rej-txreg-deactv%,%2G-nw-deactv-rej-tx-qos-not-acc%,%2G-nw-deactv-rej-tx-nwtfail%,%2G-nw-deactv-rej-tx-reactivation-req%,%2G-nw-deactv-rej-tx-no-featuresupport%,%2G-nw-deactv-rej-tx-sem-err-tft-op%,%2G-nw-deactv-rej-tx-syn-err-tftop%,%2G-nw-deactv-rej-tx-mcast-grp-mem-tout%,%2G-nw-deactv-rej-tx-sem-err-pktfilter%,%2G-nw-deactv-rej-tx-sem-incorrect-msg%,%2G-nw-deactv-rej-tx-invalidtrans-id%,%2G-nw-deactv-rej-tx-msg-non-existent%,%2G-nw-deactv-rej-tx-invalmand-info%,%2G-nw-deactv-rej-tx-msg-non-existent%,%2G-nw-deactv-rej-tx-ie-nonexistent%

sgsn schema sgsnSchD format

EMS, SGSND, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-nw-deactv-rej-tx-condie-err%,%2G-nw-deactv-rej-tx-prot-err-unspec%,%2G-nw-deactv-rej-tx-apn-restincomap-actv-pdp%,%2G-nw-deactv-rej-tx-msg-not-compat-prot-state%,%2G-nw-deactvrej-tx-rcvry-on-tmr-expiry%,%2G-total-sm-status-req-rx%,%2G-total-sm-status-reqtx%,%3G-IMSI-Attch-Combined%,%2G-IMSI-Attch-Combined%,%3G-ptmsi-Attch-Combined%,%2G-ptmsi-Attch-Combined%,%3G-comb-attach-accept%,%2G-comb-attchaccept%,%3G-intra-comb-rau%,%2G-intra-comb-rau%,%3G-inter-sgsn-comb-rau%,%2Ginter-sgsn-comb-rau%,%3G-comb-upd-rau-accept-intra%,%3G-comb-upd-rau-acceptinter%,%2G-comb-upd-rau-accept-intra%,%2G-comb-upd-rau-accept-inter%,%3G-msinit-imsi-detach%,%2G-ms-init-imsi-detach%,%3G-ms-init-comb-detach%,%2G-ms-initcomb-detach%,%3G-nw-init-imsi-detach-accept%,%3G-nw-init-comb-detachaccept%,%2G-nw-init-imsi-detach-accept%,%2G-nw-init-comb-detach-accept%,%3G-cspage-request%,%2G-cs-page-request%,%3G-total-attach-req-all%,%3G-total-combattach-req%,%2G-total-attach-req-all%,%2G-total-comb-attach-req%,%3G-localptmsi-Attch-comb%,%3G-remote-ptmsi-Attch-comb%,%2G-local-ptmsi-Attch-comb%,%2Gremote-ptmsi-Attch-comb%,%3G-ret-imsi-attach-comb%,%2G-ret-imsi-attachcomb%,%3G-ret-local-ptmsi-attach-comb%,%2G-ret-local-ptmsi-attach-comb%,%3G-retremote-ptmsi-attach-comb%,%2G-ret-remote-ptmsi-attach-comb%,%3G-ret-attachaccept-comb%,%2G-ret-attch-accept-comb%,%3G-total-attach-fail-comb%,%2G-totalattach-fail-comb%,%3G-total-intra-rau-failure-comb%,%2G-total-intra-rau-failurecomb%,%3G-total-comb-inter-rau-failure%,%2G-total-comb-inter-rau-failure%,%3Gtmsi-identity-request%,%2G-tmsi-identity-request%,%3G-tmsi-identityresponse%, %2G-tmsi-identity-response%, %3G-ret-tmsi-identity-request%, %2G-rettmsi-identity-request%

sgsn schema sgsnSchE format

EMS, SGSNE, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-attach-reject-all%, %3Gattach-reject-comb%, %2G-attach-reject-all%, %2G-attach-reject-comb%, %3G-combattach-rej-imsi-unknown-at-hlr%, %2G-comb-attach-rej-imsi-unknown-at-hlr%, %3Gcomb-attach-rej-illegal-ms%, %2G-comb-attach-rej-illegal-ms%, %3G-comb-attach-rejillegal-me%, %2G-comb-attach-rej-illegal-me%, %3G-comb-gprs-service-notallowed%, %2G-comb-gprs-service-not-allowed%, %3G-comb-gprs-and-non-gprs-svc-notallow%, %2G-comb-gprs-and-non-gprs-svc-not-allow%, %3G-comb-attach-rej-msid-notderived-by-nwt%, %2G-comb-attach-rej-msid-not-derived-by-nwt%, %3G-comb-attachrej-implicitly-detach%, %2G-comb-attach-rej-implicitly-detach%, %3G-comb-attachrej-plmn-not-allowed%, %2G-comb-attach-rej-plmn-not-allowed%, %3G-comb-attach-rejla-not-allowed%,%2G-comb-attach-rej-la-not-allowed%,%3G-comb-roam-not-allow-inloc-area%,%2G-comb-roam-not-allow-in-loc-area%,%3G-comb-gprs-svc-not-allow-inplmn%,%2G-comb-gprs-svc-not-allow-in-plmn%,%3G-comb-no-suitable-cells-in-locarea%,%2G-comb-no-suitable-cells-in-loc-area%,%3G-comb-attach-rej-msc-notreachable%,%2G-comb-attach-rej-msc-not-reachable%,%3G-comb-attach-rej-networkfailure%,%2G-comb-attach-rej-network-failure%,%3G-comb-attach-rej-macfailure%,%2G-comb-attach-rej-mac-failure%,%3G-comb-attach-rej-sync-failure%,%2Gcomb-attach-rej-sync-failure%,%3G-comb-attach-rej-congestion%,%2G-comb-attachrej-congestion%,%3G-comb-attach-rej-gsm-auth-unacceptable%,%2G-comb-attachrej-comb-attach-rej-gsm-auth-unacceptable%,%2G-comb-attachrej-comb-attach-rej-no-pdp-ctx-activated%,%2G-combattach-rej-no-pdp-ctx-activated%,%3G-comb-attach-rej-retry-from-new-cell%,%2Gcomb-attach-rej-retry-from-new-cell%,%3G-comb-attach-rej-sem-wrong-msg%,%2Gcomb-attach-rej-sem-wrong-msg%,%3G-comb-attach-rej-invalid-mand-info%

sgsn schema sgsnSchF format

EMS, SGSNF, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-comb-attach-rejinvalid-mand-info%,%3G-comb-attach-rej-msg-type-not-exist%,%2G-comb-attach-rejmsg-type-not-exist%,%3G-comb-attach-rej-msg-type-not-comp-pstate%,%2G-combattach-rej-msg-type-not-comp-pstate%,%3G-comb-attach-rej-ie-non-existent%,%2Gcomb-attach-rej-ie-non-existent%,%3G-comb-attach-rej-conditional-ie-err%,%2Gcomb-attach-rej-conditional-ie-err%,%3G-comb-attach-rej-msg-not-comp-protstate%,%2G-comb-attach-rej-msg-not-comp-prot-state%,%3G-comb-attach-rejprotocol-error%,%2G-comb-attach-rej-protocol-error%,%3G-comb-attach-rej-unknowncause%,%2G-comb-attach-rej-unknown-cause%,%3G-comb-rau-reject%,%3G-comb-interrau-reject%,%2G-comb-rau-reject%,%2G-comb-inter-rau-reject%,%3G-comb-rau-rejimsi-unknown-hlr%,%2G-comb-rau-rej-imsi-unknown-hlr%,%3G-comb-rau-rej-illegalms%,%2G-comb-rau-rej-illegal-ms%,%3G-comb-rau-rej-illegal-me%,%2G-comb-rau-rejillegal-me%,%3G-comb-rau-rej-gprs-svc-not-allow%,%2G-comb-rau-rej-gprs-svc-notallow%,%3G-comb-rau-rej-nongprs-svc-not-allow%,%2G-comb-rau-rej-nongprs-svc-notallow%,%3G-comb-rau-rej-msid-not-derived-by-nw%,%2G-comb-rau-rej-msid-notderived-by-nw%,%3G-comb-rau-rej-implicitly-detach%,%2G-comb-rau-rej-implicitlydetach%,%3G-comb-rau-rej-plmn-not-allowed%,%2G-comb-rau-rej-plmn-notallowed%,%3G-comb-rau-rej-loc-area-not-allowed%,%2G-comb-rau-rej-loc-area-notallowed%,%3G-comb-rau-rej-roam-not-allowed-larea%,%2G-comb-rau-rej-roam-notallowed-larea%,%3G-comb-rau-rej-gprs-svc-not-allowed-plmn%,%2G-comb-rau-rejgprs-svc-not-allowed-plmn%,%3G-comb-rau-rej-congestion%,%2G-comb-rau-rejcongestion%,%3G-comb-rau-rej-gsm-auth-unacceptable%,%2G-comb-rau-rej-gsm-authunacceptable%,%3G-comb-rau-rej-no-pdp-ctx-actv%,%2G-comb-rau-rej-no-pdp-ctxactv%

sgsn schema sgsnSchG format

EMS, SGSNG, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-comb-rau-rej-retryfrom-new-cell%, %2G-comb-rau-rej-retry-from-new-cell%, %3G-comb-rau-rej-sem-wrongmsg%, %2G-comb-rau-rej-sem-wrong-msg%, %3G-comb-rau-rej-inval-mand-info%, %2G-combrau-rej-inval-mand-info%, %3G-comb-rau-rej-msg-type-non-exist%, %2G-comb-rau-rejmsg-type-non-exist%, %3G-comb-rau-rej-mtype-incompat-pstate%, %2G-comb-rau-rejmtype-incompat-pstate%, %3G-comb-rau-rej-ie-non-existent%, %2G-comb-rau-rejerror%, %3G-comb-rau-rej-cond-ie-error%, %2G-comb-rau-rej-cond-ieerror%, %3G-comb-rau-rej-msg-incompat-pstate%, %2G-comb-rau-rej-msg-incompatpstate%, %3G-comb-rau-rej-prot-error%, %2G-comb-rau-rej-msg-incompatunknown-error%, %2G-comb-rau-rej-unknown-error%, %3G-comb-rau-rej-imsiunknown-hlr%, %2G-comb-irau-rej-imsi-unknown-hlr%, %3G-comb-irau-rej-illegalms%,%2G-comb-irau-rej-illegal-ms%,%3G-comb-irau-rej-illegal-me%,%2G-comb-iraurej-illegal-me%,%3G-comb-irau-rej-gprs-svc-not-allow%,%2G-comb-irau-rej-gprssvc-not-allow%,%3G-comb-irau-rej-nongprs-svc-not-allow%,%2G-comb-irau-rejnongprs-svc-not-allow%,%3G-comb-irau-rej-msid-not-derived-by-nw%,%2G-comb-iraurej-msid-not-derived-by-nw%,%3G-comb-irau-rej-implicitly-detach%,%2G-comb-iraurej-implicitly-detach%,%3G-comb-irau-rej-plmn-not-allowed%,%2G-comb-irau-rejplmn-not-allowed%,%3G-comb-irau-rej-plmn-not-allowed%,%2G-comb-irau-rejplmn-not-allowed%,%3G-comb-irau-rej-roam-not-allowed~,%2G-comb-irau-rejroam-not-allowed%,%3G-comb-irau-rej-gprs-svc-not-allowed-plmn%,%2G-combirau-rej-gprs-svc-not-allowed-plmn%,%3G-comb-irau-rejroam-not-allowed-larea%,%3G-comb-irau-rej-gprs-svc-not-allowed-plmn%,%2G-combirau-rej-gprs-svc-not-allowed-plmn%,%3G-comb-irau-rej-no-cells-in-locationarea%,%2G-comb-irau-rej-msc-not-reachable%,%3G-comb-irau-rej-msc-notreachable%,%2G-comb-irau-rej-msc-not-reachable%,%3G-comb-irau-rej-networkfailure%

sgsn schema sgsnSchH format

EMS, SGSNH, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-comb-irau-rej-networkfailure%,%3G-comb-irau-rej-mac-failure%,%2G-comb-irau-rej-mac-failure%,%3G-combirau-rej-syn-failure%,%2G-comb-irau-rej-syn-failure%,%3G-comb-irau-rejcongestion%,%2G-comb-irau-rej-congestion%,%3G-comb-irau-rej-gsm-authunacceptable%,%2G-comb-irau-rej-gsm-auth-unacceptable%,%3G-comb-irau-rej-no-pdpctx-actv%,%2G-comb-irau-rej-no-pdp-ctx-actv%,%3G-comb-irau-rej-retry-from-newcell%,%2G-comb-irau-rej-retry-from-new-cell%,%3G-comb-irau-rej-sem-wrongmsg%,%2G-comb-irau-rej-sem-wrong-msg%,%3G-comb-irau-rej-inval-mand-info%,%2Gcomb-irau-rej-inval-mand-info%,%3G-comb-irau-rej-msg-type-non-exist%,%2G-combirau-rej-msg-type-non-exist%,%3G-comb-irau-rej-mtype-incompat-pstate%,%2G-combirau-rej-mtype-incompat-pstate%,%3G-comb-irau-rej-ie-non-existent%,%2G-combirau-rej-ie-non-existent%,%3G-comb-irau-rej-cond-ie-error%,%2G-comb-irau-rejcond-ie-error%,%3G-comb-irau-rej-msg-not-compat-pstate%,%2G-comb-irau-rej-msgnot-compat-pstate%,%3G-comb-irau-rej-prot-error%,%2G-comb-irau-rej-proterror%,%3G-comb-irau-rej-unknown-error%,%2G-comb-irau-rej-unknown-error%,%gprsstandby%,%gprs-ready%,%3G-nw-ret-modify-req%,%2G-gprs-service-not-allowed%,%2Ggprs-and-non-gprs-service-not-allowed%, %2G-roaming-not-allowed-in-this-locationarea%,%2G-gprs-service-not-allowed-in-this-plmn%,%2G-no-suitable-cells-inlocation-area%,%2G-attach-rej-network-failure%,%2G-attach-rej-congestion%,%3Gsec-actv-rej-service-not-supported%,%3G-sec-actv-rej-service-notsubscribed%,%2G-total-actv-fail%,%2G-sec-actv-rej-service-not-supported%,%2Gsec-actv-rej-service-not-subscribed%,%2G-attached-with-pdp%,%intra-sgsn-intersystem-gsm-to-wcdma-success%,%intra-sgsn-inter-system-gsm-to-wcdma-rej%

sgsn schema sgsnSchI format

EMS, SGSNI, %date%, %time%, %vpnname%, %vpnid%, %servname%, %intra-sgsn-inter-systemgsm-to-wcdma-fail%, %intra-sgsn-inter-system-wcdma-to-gsm-success%, %intra-sgsninter-system-wcdma-to-gsm-rej%, %intra-sgsn-inter-system-wcdma-to-gsm-fail%, %Rncoverload-attach-dropped%, %Rnc-overload-service-req-dropped%, %Rnc-overload-skipptmsi-realloc%, %Rnc-overload-skip-auth%, %Overload-control-rcvd%, %Pc-congestedrcvd%, %SMS-received-nas-pdu%, %SMS-sent-nas-pdu%, %SMS-unexpected-nas-pdu%, %2Gattach-rej-imsi-unknown-at-hlr%, %2G-attach-rej-illegal-ms%, %2G-attach-rejillegal-me%, %3G-attach-rej-msid-not-derived-by-nwt%, %2G-attach-rej-msid-notderived-by-nwt%, %2G-attach-rej-implicitly-detach%, %2G-attach-rej-plmn-notallowed%, %3G-attach-rej-la-not-allowed%, %2G-attach-rej-la-not-allowed%, %3Gattach-rej-msc-not-reachable%, %2G-attach-rej-msc-not-reachable%, %3G-attach-rejmac-failure%, %2G-attach-rej-mac-failure%, %3G-attach-rej-sync-failure%, %2G-
attach-rej-sync-failure%,%3G-attach-rej-gsm-auth-unacceptable%,%2G-attach-rejgsm-auth-unacceptable%,%3G-attach-rej-no-pdp-ctx-activated%,%2G-attach-rej-nopdp-ctx-activated%,%3G-attach-rej-retry-from-new-cell%,%2G-attach-rej-retryfrom-new-cell%,%3G-attach-rej-sem-wrong-msg%,%2G-attach-rej-sem-wrong-msg%,%3Gattach-rej-invalid-mand-info%,%2G-attach-rej-invalid-mand-info%,%3G-attach-rejmsg-type-not-exist%,%2G-attach-rej-msg-type-not-exist%,%3G-attach-rej-msg-typenot-comp-prot-state%,%2G-attach-rej-msg-type-not-comp-prot-state%,%3G-attachrej-ie-non-existent%,%2G-attach-rej-ie-non-existent%,%3G-attach-rej-conditionalie-err%,%2G-attach-rej-conditional-ie-err%,%3G-attach-rej-msg-not-comp-protstate%,%2G-attach-rej-msg-not-comp-prot-state%,%3G-attach-rejerror%,%2G-attach-rej-msg-not-comp-prot-state%,%3G-attach-rej-protocolerror%,%2G-attach-rej-protocol-error%,%2G-attach-rej-unknown-cause%

sgsn schema sgsnSchJ format

EMS, SGSNJ, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-attach-fail-iu_releasecomb%,%3G-attach-fail-ongoing-proc-comb%,%2G-attach-fail-ongoing-proc-comb%,%3Gcs-page-response%,%2G-cs-page-response%,%3G-auth-cipher-rej-xres-mismatch%,%2Gauth-cipher-rej-xres-mismatch%,%3G-auth-cipher-rej-sync-not-have-auts%,%2G-authcipher-rej-sync-not-have-auts%,%3G-auth-cipher-rej-many-sync-fail%,%2G-authcipher-rej-many-sync-fail%,%3G-auth-cipher-rej-many-mac-fail%,%2G-auth-cipherrej-many-mac-fail%,%2G-ready-timer-expiry%,%map-mt-fwd-req-sent%,%map-mt-fwdrsp-rcvd%, %map-mo-fwd-rsp-time-out%, %mo-sms-in-progress%, %mt-sms-inprogress%,%sms-memory-available-in-progress%,%mo-sms-attempted%,%mo-smssuccessful%, %mt-sms-attempted%, %mt-sms-successful%, %sms-memory-availableattempted%,%sms-memory-available-successful%,%3G-actv-fail-iu-release-beforeactivate%,%3G-actv-fail-gaurd-timer-expiry%,%3G-actv-fail-duplicateactivation%,%3G-actv-fail-other-ongoing-procedure%,%3G-actv-fail-tunneldeactivation%,%3G-actv-fail-handoff-before-activate-over%,%3G-actv-fail-detachbefore-activate-over%,%3G-actv-fail-invalid-message-content%,%2G-actv-failgaurd-timer-expiry%,%2G-actv-fail-duplicate-activation%,%2G-actv-fail-otherongoing-procedure%,%2G-actv-fail-tunnel-deactivation%,%2G-actv-fail-handoffbefore-activate-over%,%2G-actv-fail-detach-before-activate-over%,%2G-actv-failinvalid-msg-content%,%inter-system-2G-to-3G-rau-requests%,%inter-system-2G-to-3G-rau-accepts%,%inter-system-2G-to-3G-comb-rau-requests%,%inter-system-2G-to-3G-comb-rau-accepts%,%inter-system-2G-to-3G-rau-rejects%,%inter-system-2G-to-3Gcomb-rau-rejects%,%inter-system-2G-to-3G-attach-requests%,%inter-system-2G-to-3G-attach-accepts%,%inter-system-2G-to-3G-attach-rejects%,%inter-system-2G-to-3G-comb-attach-requests%

sgsn schema sgsnSchK format

EMS, SGSNK, %date%, %time%, %vpnname%, %vpnid%, %servname%, %inter-system-2G-to-3Gcomb-attach-accepts%, %inter-system-2G-to-3G-comb-attach-rejects%, %inter-system-3G-to-2G-rau-requests%, %inter-system-3G-to-2G-comb-rau-accepts%, %inter-system-3G-2G-comb-rau-rejects%, %inter-system-3G-to-2G-comb-rau-rejects%, %inter-system-3Gto-2G-rau-rejects%, %inter-system-3G-to-2G-attach-accepts%, %inter-system-3G-to-2G-attach-requests%, %inter-system-3G-to-2G-attach-accepts%, %inter-system-3G-to-2G-attach-rejects%, %inter-system-3G-to-2G-comb-attach-requests%, %inter-system-3G-to-2G-comb-attach-accepts%, %inter-systemaccepts%, %inter-systemacce rej-no-cells-in-loc-area%,%3G-intra-prau-rej-msc-not-reachable%,%2G-intra-praurej-msc-not-reachable%,%3G-intra-prau-rej-network-failure%,%2G-intra-prau-rejnetwork-failure%,%3G-intra-prau-rej-mac-failure%,%2G-intra-prau-rej-macfailure%,%3G-intra-prau-rej-syn-failure%,%2G-intra-prau-rej-syn-failure%,%rabrej-rab-preempt%,%rab-rej-reloc-overall-tmr-exp%,%rab-rej-reloc-prep-tmrexp%,%rab-rej-reloc-complete-tmr-exp%,%rab-rej-queuing-tmr-exp%,%rab-rej-reloctriggered%,%ps-inter-rat-rau-total%,%ps-inter-rat-rau-3g%,%ps-inter-rat-rau-2g%,%ret-ps-inter-rat-rau-total%,%ret-ps-inter-rat-rau-3g%,%ret-ps-inter-ratrau-2g%,%ret-comb-inter-rat-rau-total%,%ret-comb-inter-rat-rau-3g%

sgsn schema sgsnSchL format

EMS, SGSNL, %date%, %time%, %vpnname%, %vpnid%, %servname%, %ret-comb-inter-rat-rau-2g%, %ps-inter-service-rau-total%, %ps-inter-service-rau-3g%, %ps-inter-servicerau-2g%,%comb-inter-service-rau-total%,%comb-inter-service-rau-3g%,%comb-interservice-rau-2g%,%ret-ps-inter-service-rau-total%,%ret-ps-inter-service-rau-3g%, %ret-ps-inter-service-rau-2g%, %ret-comb-inter-service-rau-total%, %ret-combinter-service-rau-3g%,%ret-comb-inter-service-rau-2g%,%ps-inter-rat-rau-acctotal%,%ps-inter-rat-rau-acc-3g%,%ps-inter-rat-rau-acc-2g%,%comb-inter-rat-rauacc-total%,%comb-inter-rat-rau-acc-3g%,%comb-inter-rat-rau-acc-2g%,%ret-psinter-rat-rau-acc-total%,%ret-ps-inter-rat-rau-acc-3g%,%ret-ps-inter-rat-rauacc-2g%,%ret-comb-inter-rat-rau-acc-total%,%ret-comb-inter-rat-rau-acc-3g%,%retcomb-inter-rat-rau-acc-2g%, %ps-inter-service-rau-acc-total%, %ps-inter-servicerau-acc-3g%, %ps-inter-service-rau-acc-2g%, %comb-inter-service-rau-acctotal%,%comb-inter-service-rau-acc-3g%,%comb-inter-service-rau-acc-2g%,%ret-psinter-service-rau-acc-total%,%ret-ps-inter-service-rau-acc-3g%,%ret-ps-interservice-rau-acc-2g%,%ret-comb-inter-service-rau-acc-total%,%ret-comb-interservice-rau-acc-3g%,%ret-comb-inter-service-rau-acc-2g%,%ps-inter-rat-rau-rejtotal%,%ps-inter-rat-rau-rej-3g%,%ps-inter-rat-rau-rej-2g%,%comb-inter-rat-raurej-total%,%comb-inter-rat-rau-rej-3g%,%comb-inter-rat-rau-rej-2g%,%ps-interservice-rau-rej-total%,%ps-inter-service-rau-rej-3g%,%ps-inter-service-rau-rej-2g%,%comb-inter-service-rau-rej-total%,%comb-inter-service-rau-rej-3g%,%combinter-service-rau-rej-2g%,%3G-isrv-ps-rej-imsi-unknown-hlr%,%2G-isrv-ps-rejimsi-unknown-hlr%,%3G-isrv-ps-rej-illegal-ms%,%2G-isrv-ps-rej-illegal-ms%,%3Gisrv-ps-rej-illegal-me%,%2G-isrv-ps-rej-illegal-me%,%3G-isrv-ps-rej-gprs-svcnot-allow%

sgsn schema sgsnSchM format

EMS, SGSNM, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-isrv-ps-rej-gprs-svcnot-allow%, %3G-isrv-ps-rej-nongprs-svc-not-allow%, %2G-isrv-ps-rej-msid-notderived-by-nw%, %3G-isrv-ps-rej-implicitly-detach%, %2G-isrv-ps-rej-implicitlydetach%, %3G-isrv-ps-rej-plmn-not-allowed%, %2G-isrv-ps-rej-plmn-not-allowed%, %3Gisrv-ps-rej-loc-area-not-allowed%, %2G-isrv-ps-rej-plmn-not-allowed%, %3Gisrv-ps-rej-roam-not-allowed~, %2G-isrv-ps-rej-loc-area-not-allowed%, %3Gisrv-ps-rej-gprs-svc-not-allowed-larea%, %2G-isrv-ps-rej-gprs-svc-not-allowedplmn%, %3G-isrv-ps-rej-no-cells-in-location-area%, %2G-isrv-ps-rej-msc-notlocation-area%, %3G-isrv-ps-rej-msc-not-reachable%, %2G-isrv-ps-rej-msc-notreachable%, %3G-isrv-ps-rej-network-failure%, %2G-isrv-ps-rej-networkfailure%, %3G-isrv-ps-rej-mac-failure%, %2G-isrv-ps-rej-congestion%, %2Gisrv-ps-rej-congestion%, %3G-isrv-ps-rej-sym-failure%, %3G-isrv-ps-rej-congestion%, %2Gisrv-ps-rej-congestion%, %3G-isrv-ps-rej-gsm-auth-unacceptable%, %2G-isrv-ps-rejgsm-auth-unacceptable%,%3G-isrv-ps-rej-no-pdp-ctx-actv%,%2G-isrv-ps-rej-no-pdpctx-actv%,%3G-isrv-ps-rej-retry-from-new-cell%,%2G-isrv-ps-rej-retry-from-newcell%,%3G-isrv-ps-rej-sem-wrong-msg%,%2G-isrv-ps-rej-sem-wrong-msg%,%3G-isrv-psrej-inval-mand-info%,%2G-isrv-ps-rej-inval-mand-info%,%3G-isrv-ps-rej-msg-typenon-exist%,%2G-isrv-ps-rej-msg-type-non-exist%,%3G-isrv-ps-rej-mtype-incompatpstate%,%2G-isrv-ps-rej-mtype-incompat-pstate%,%3G-isrv-ps-rej-ie-nonexistent%,%2G-isrv-ps-rej-ie-non-existent%,%3G-isrv-ps-rej-ie-nonexistent%,%2G-isrv-ps-rej-ie-non-existent%,%3G-isrv-ps-rej-cond-ie-error%,%2Gisrv-ps-rej-cond-ie-error%,%3G-isrv-ps-rej-msg-not-compat-pstate%,%2G-isrv-psrej-msg-not-compat-pstate%,%3G-isrv-ps-rej-proterror%

sgsn schema sgsnSchN format

EMS, SGSNN, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-isrv-ps-rej-unknownerror%,%2G-isrv-ps-rej-unknown-error%,%3G-isrv-comb-rej-imsi-unknown-hlr%,%2Gisrv-comb-rej-imsi-unknown-hlr%,%3G-isrv-comb-rej-illegal-ms%,%2G-isrv-comb-rejillegal-ms%,%3G-isrv-comb-rej-illegal-me%,%2G-isrv-comb-rej-illegal-me%,%3Gisrv-comb-rej-gprs-svc-not-allow%,%2G-isrv-comb-rej-gprs-svc-not-allow%,%3Gisrv-comb-rej-nongprs-svc-not-allow%,%2G-isrv-comb-rej-nongprs-svc-notallow%,%3G-isrv-comb-rej-msid-not-derived-by-nw%,%2G-isrv-comb-rej-msid-notderived-by-nw%,%3G-isrv-comb-rej-implicitly-detach%,%2G-isrv-comb-rejimplicitly-detach%,%3G-isrv-comb-rej-plmn-not-allowed%,%2G-isrv-comb-rej-plmnnot-allowed%,%3G-isrv-comb-rej-loc-area-not-allowed%,%2G-isrv-comb-rej-loc-areanot-allowed%,%3G-isrv-comb-rej-roam-not-allowed-larea%,%2G-isrv-comb-rej-roamnot-allowed-larea%,%3G-isrv-comb-rej-gprs-svc-not-allowed-plmn%,%2G-isrv-combrej-gprs-svc-not-allowed-plmn%,%3G-isrv-comb-rej-no-cells-in-location-area%,%2Gisrv-comb-rej-no-cells-in-location-area%,%3G-isrv-comb-rej-msc-notreachable%,%2G-isrv-comb-rej-msc-not-reachable%,%3G-isrv-comb-rej-networkfailure%,%2G-isrv-comb-rej-network-failure%,%3G-isrv-comb-rej-mac-failure%,%2Gisrv-comb-rej-mac-failure%,%3G-isrv-comb-rej-syn-failure%,%2G-isrv-comb-rej-synfailure%,%3G-isrv-comb-rej-congestion%,%2G-isrv-comb-rej-congestion%,%3G-isrvcomb-rej-gsm-auth-unacceptable%,%2G-isrv-comb-rej-gsm-auth-unacceptable%,%3Gisrv-comb-rej-no-pdp-ctx-actv%,%2G-isrv-comb-rej-no-pdp-ctx-actv%,%3G-isrv-combrej-retry-from-new-cell%,%2G-isrv-comb-rej-retry-from-new-cell%,%3G-isrv-combrej-sem-wrong-msg%,%2G-isrv-comb-rej-sem-wrong-msg%,%3G-isrv-comb-rej-invalmand-info%,%2G-isrv-comb-rej-inval-mand-info%,%3G-isrv-comb-rej-msg-type-nonexist%

sgsn schema sgsnSchO format

EMS, SGSNO, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-isrv-comb-rej-msg-typenon-exist%, %3G-isrv-comb-rej-mtype-incompat-pstate%, %2G-isrv-comb-rej-ie-nonexistent%, %3G-isrv-comb-rej-cond-ie-error%, %2G-isrv-comb-rej-cond-ie-error%, %3Gisrv-comb-rej-msg-not-compat-pstate%, %2G-isrv-comb-rej-msg-not-compatpstate%, %3G-isrv-comb-rej-prot-error%, %2G-isrv-comb-rej-prot-error%, %3G-isrvcomb-rej-unknown-error%, %2G-isrv-comb-rej-prot-error%, %3G-isrvcomb-rej-unknown-error%, %2G-isrv-comb-rej-unknown-error%, %3G-irat-comb-rej-gprssvc-not-allow%, %2G-irat-comb-rej-gprs-svc-not-allow%, %3G-irat-comb-rej-msidnot-derived-by-nw%, %2G-irat-comb-rej-msid-not-derived-by-nw%, %3G-irat-comb-rejimplicitly-detach%, %2G-irat-comb-rej-implicitly-detach%, %3G-irat-comb-rej-plmnnot-allowed%, %2G-irat-comb-rej-plmn-not-allowed%, %3G-irat-comb-rej-plmnnot-allowed%, %2G-irat-comb-rej-plmn-not-allowed%, %3G-irat-comb-rej-plmnnot-allowed%, %2G-irat-comb-rej-plmn-not-allowed%, %3G-irat-comb-rej-gprsallowed%, %2G-irat-comb-rej-plmn-not-allowed%, %3G-irat-comb-rej-gprsstreated %, %2G-irat-comb-rej-plmn-not-allowed%, %3G-irat-comb-rej-gprsstreated %, %2G-irat-comb-rej-gprs-streated %, %3G-irat-comb-rej-gprsstreated %, %2G-irat-comb-rej-gprs-streated %, %3G-irat-comb-rej-gprsstreated %, %2G-irat-comb-rej-gprs-streated %, %3G-irat-comb-rej-gprsstreated %, %2G-irat-comb-rej-gprs-streated %, %3G-irat-comb-rej-gprs-streated %, %3G-irat-comb-rej-gprs-st svc-not-allowed-plmn%,%2G-irat-comb-rej-gprs-svc-not-allowed-plmn%,%3G-iratcomb-rej-no-cells-in-location-area%,%2G-irat-comb-rej-no-cells-in-locationarea%,%3G-irat-comb-rej-msc-not-reachable%,%2G-irat-comb-rej-msc-notreachable%,%3G-irat-comb-rej-network-failure%,%2G-irat-comb-rej-networkfailure%,%3G-irat-comb-rej-mac-failure%,%2G-irat-comb-rej-mac-failure%,%3G-iratcomb-rej-syn-failure%,%2G-irat-comb-rej-syn-failure%,%3G-irat-comb-rejcongestion%,%2G-irat-comb-rej-congestion%,%3G-irat-comb-rej-gsm-authunacceptable%,%2G-irat-comb-rej-gsm-auth-unacceptable%,%3G-irat-comb-rej-no-pdpctx-actv%,%2G-irat-comb-rej-no-pdp-ctx-actv%,%3G-irat-comb-rej-retry-from-newcell%

sgsn schema sgsnSchP format

EMS, SGSNP, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-irat-comb-rej-retryfrom-new-cell%,%3G-irat-comb-rej-sem-wrong-msg%,%2G-irat-comb-rej-sem-wrongmsg%,%3G-irat-comb-rej-inval-mand-info%,%2G-irat-comb-rej-inval-mand-info%,%3Girat-comb-rej-msg-type-non-exist%,%2G-irat-comb-rej-msg-type-non-exist%,%3Girat-comb-rej-mtype-incompat-pstate%,%2G-irat-comb-rej-mtype-incompatpstate%,%3G-irat-comb-rej-ie-non-existent%,%2G-irat-comb-rej-ie-nonexistent%,%3G-irat-comb-rej-cond-ie-error%,%2G-irat-comb-rej-cond-ie-error%,%3Girat-comb-rej-msg-not-compat-pstate%,%2G-irat-comb-rej-msg-not-compatpstate%,%3G-irat-comb-rej-prot-error%,%2G-irat-comb-rej-prot-error%,%3G-iratcomb-rej-unknown-error%,%2G-irat-comb-rej-unknown-error%,%3G-irat-ps-rej-imsiunknown-hlr%,%2G-irat-ps-rej-imsi-unknown-hlr%,%3G-irat-ps-rej-illegal-ms%,%2Girat-ps-rej-illegal-ms%,%3G-irat-ps-rej-illegal-me%,%2G-irat-ps-rej-illegalme%,%3G-irat-ps-rej-gprs-svc-not-allow%,%2G-irat-ps-rej-gprs-svc-not-allow%,%3Girat-ps-rej-nongprs-svc-not-allow%,%2G-irat-ps-rej-nongprs-svc-not-allow%,%3Girat-ps-rej-msid-not-derived-by-nw%,%2G-irat-ps-rej-msid-not-derived-by-nw%,%3Girat-ps-rej-implicitly-detach%,%2G-irat-ps-rej-implicitly-detach%,%3G-irat-psrej-plmn-not-allowed%,%2G-irat-ps-rej-plmn-not-allowed%,%3G-irat-ps-rej-locarea-not-allowed%,%2G-irat-ps-rej-loc-area-not-allowed%,%3G-irat-ps-rej-roamnot-allowed-larea%,%2G-irat-ps-rej-roam-not-allowed-larea%,%3G-irat-ps-rej-gprssvc-not-allowed-plmn%,%2G-irat-ps-rej-gprs-svc-not-allowed-plmn%,%3G-irat-psrej-no-cells-in-location-area%,%2G-irat-ps-rej-no-cells-in-location-area%,%3Girat-ps-rej-msc-not-reachable%,%2G-irat-ps-rej-msc-not-reachable%,%3G-irat-psrej-network-failure%,%2G-irat-ps-rej-network-failure%,%3G-irat-ps-rej-macfailure%

sgsn schema sgsnSchQ format

EMS, SGSNQ, %date%, %time%, %vpnname%, %vpnid%, %servname%, %2G-irat-ps-rej-macfailure%, %3G-irat-ps-rej-syn-failure%, %2G-irat-ps-rej-syn-failure%, %3G-irat-psrej-congestion%, %2G-irat-ps-rej-congestion%, %3G-irat-ps-rej-gsm-authunacceptable%, %2G-irat-ps-rej-gsm-auth-unacceptable%, %3G-irat-ps-rej-no-pdp-ctxactv%, %2G-irat-ps-rej-no-pdp-ctx-actv%, %3G-irat-ps-rej-retry-from-new-cell%, %2Girat-ps-rej-retry-from-new-cell%, %3G-irat-ps-rej-sem-wrong-msg%, %2G-irat-ps-rejsem-wrong-msg%, %3G-irat-ps-rej-inval-mand-info%, %2G-irat-ps-rej-inval-mandinfo%, %3G-irat-ps-rej-msg-type-non-exist%, %2G-irat-ps-rej-msg-type-nonexist%, %3G-irat-ps-rej-mtype-incompat-pstate%, %2G-irat-ps-rej-mtype-incompatpstate%, %3G-irat-ps-rej-ie-non-existent%, %2G-irat-ps-rej-ie-non-existent%, %3Girat-ps-rej-cond-ie-error%, %2G-irat-ps-rej-cond-ie-error%, %3G-irat-ps-rej-msgnot-compat-pstate%, %2G-irat-ps-rej-msg-not-compat-pstate%, %3G-irat-ps-rej-proterror%, %2G-irat-ps-rej-prot-error%, %3G-irat-ps-rej-unknown-error%, %3G-irat-psrej-unknown-error%, %3G-sec-actv-rej-odb%, %2G-sec-actv-rej-odb%, %3G-sec-actv-rejinsufficient-resources%,%2G-sec-actv-rej-insufficient-resources%,%3G-sec-actvrej-by-ggsn%,%2G-sec-actv-rej-by-ggsn%,%3G-sec-actv-rej-unspecified-error%,%2Gsec-actv-rej-unspecified-error%,%3G-sec-actv-rej-svc-opt-tmp-out-of-order%,%2Gsec-actv-rej-svc-opt-tmp-out-of-order%,%3G-sec-actv-rej-semantic-error-tftoperation%,%2G-sec-actv-rej-semantic-error-tft-operation%,%3G-sec-actv-rejsyntax-err-in-tft-operation%,%2G-sec-actv-rej-syntax-err-in-tft-operation%,%3Gsec-actv-rej-unknown-pdp-context%,%2G-sec-actv-rej-unknown-pdp-context%,%3G-secactv-rej-semantic-err-in-pkt-filter%,%2G-sec-actv-rej-semantic-err-in-pktfilter%,%3G-sec-actv-rej-syntax-err-in-pkt-filter%,%2G-sec-actv-rej-syntax-err-in

sgsn schema sgsnSchR format

EMS, SGSNR, %date%, %time%, %vpnname%, %vpnid%, %servname%, %3G-sec-actv-rej-pdp-notftactv%, %2G-sec-actv-rej-pdp-notft-actv%, %3G-sec-actv-rej-semanticallyincorrect%, %2G-sec-actv-rej-semantically-incorrect%, %3G-sec-actv-rej-invalidmandatory-info%, %2G-sec-actv-rej-invalid-mandatory-info%, %3G-sec-actv-rej-msgtype-non-existent%, %2G-sec-actv-rej-msg-type-non-existent%, %3G-sec-actv-rej-ienon-existent%, %2G-sec-actv-rej-ie-non-existent%, %3G-sec-actv-rej-ienon-existent%, %2G-sec-actv-rej-ie-non-existent%, %3G-sec-actv-rej-conditional-ieerr%, %2G-sec-actv-rej-conditional-ie-err%, %3G-sec-actv-rej-msg-not-compat-protstate%, %2G-sec-actv-rej-msg-not-compat-prot-state%, %3G-sec-actv-rej-recovery-ontimer-expiry%, %2G-sec-actv-rej-recovery-on-timer-expiry%, %3G-sec-actv-rej-proterr-unspecified%, %2G-sec-actv-rej-prot-err-unspecified%

sgtp schema sgtpSch1 format EMS,SGTP,%date%,%time%,%vpnname%, %vpn-id%, %service-name%, %sgtpc-cpc-req-v1-pri%, %sgtpc-cpc-req-v0pri%,%sgtpc-cpc-req-sec%,%sgtpc-cpc-req-accept%,%sgtpc-cpc-rsp-v1-pri%,%sgtpccpc-rsp-v0-pri%,%sgtpc-cpc-rsp-sec%,%sgtpc-upc-req-v1-tx%,%sgtpc-upc-req-v0tx%,%sgtpc-upc-req-v1-rx%,%sgtpc-upc-req-v0-rx%,%sgtpc-upc-req-accepttx%,%sgtpc-upc-req-accept-rx%,%sgtpc-dpc-req-v1-tx%,%sgtpc-dpc-req-v0tx%,%sgtpc-dpc-req-v1-rx%,%sgtpc-dpc-req-v0-rx%,%sgtpc-dpc-req-accepttx%,%sgtpc-dpc-req-accept-rx%,%sgtpc-ident-req-v1-tx%,%sgtpc-ident-req-v0tx%,%sgtpc-ident-req-v1-rx%,%sgtpc-ident-req-v0-rx%,%sgtpc-ident-req-accepttx%,%sgtpc-ident-req-accept-rx%,%sgtpc-sgsn-ctxt-req-v1-tx%,%sgtpc-sgsn-ctxtreq-v0-tx%,%sgtpc-sgsn-ctxt-req-v1-rx%,%sgtpc-sgsn-ctxt-req-v0-rx%,%sgtpc-sgsnctxt-req-accept-tx%,%sgtpc-sgsn-ctxt-req-accept-rx%,%sgtpc-sgsn-ctxt-ack-accepttx%,%sgtpc-sgsn-ctxt-ack-accept-rx%,%sgtpc-fwd-reloc-req-tx%,%sgtpc-fwd-relocreq-rx%,%sgtpc-fwd-reloc-discard-tx%,%sgtpc-fwd-reloc-req-accept-tx%,%sgtpc-fwdreloc-req-accept-rx%,%sgtpc-fwd-srnsctxt-req-tx%,%sgtpc-fwd-srnsctxt-reqrx%,%sgtpc-fwd-srnsctxt-discard-rx%,%sgtpc-fwd-srnsctxt-ack-tx%,%sgtpc-fwdsrnsctxt-ack-rx%,%sgtpc-fwd-reloc-compl-tx%,%sgtpc-fwd-reloc-compl-rx%,%sgtpcreloc-cncl-req-tx%,%sgtpc-reloc-cncl-req-rx%,%sgtpc-reloc-cncl-req-accepttx%,%sgtpc-reloc-cncl-req-accept-rx%,%sgtpc-v1-echo-req-tx%,%sgtpc-v1-echo-reqrx%, %sgtpc-v1-echo-rsp-tx%, %sgtpc-v1-echo-rsp-rx%, %sgtpu-ggsn-pkt-sent%, %sgtpurnc-pkt-sent%,%sgtpu-sgsn-pkt-sent%,%sgtpu-ggsn-pkt-rcvd%,%sgtpu-rnc-pktrcvd%,%sgtpu-sgsn-pkt-rcvd%,%sgtpu-echo-req-tx%,%sgtpu-echo-req-rx%,%sgtpu-echorsp-tx%,%sgtpu-echo-rsp-rx%,%sgtpu-ggsn-errind-sent%,%sgtpu-ggsn-errindrcvd%,%sgtpu-rnc-errind-sent%,%sgtpu-rnc-errind-rcvd%,%sgtpu-total-activeggsn%,%sgtpu-total-active-rnc%

sgtp schema sgtpSch2 format EMS,SGTP2,%date%,%time%,%vpnname%,%vpn-id%,%service-name%,%sgtpc-total-cpc-req%,%sgtpc-cpc-reqdenied%,%sgtpc-total-upc-req%,%sgtpc-upc-req-denied-tx%,%sgtpc-upc-req-deniedrx%,%sgtpc-total-dpc-req%,%sgtpc-dpc-req-denied-tx%,%sgtpc-dpc-req-deniedrx%, %sgtpc-ident-req-denied-tx%, %sgtpc-ident-req-denied-rx%, %sgtpc-sgsn-ctxtreq-denied-tx%,%sgtpc-sgsn-ctxt-req-denied-rx%,%sgtpc-sgsn-ctxt-ack-deniedtx%,%sgtpc-sgsn-ctxt-ack-denied-rx%,%sgtpc-fwd-reloc-denied-tx%,%sgtpc-fwdreloc-denied-rx%,%sgtpc-fwd-srnsctxt-ack-denied-tx%,%sgtpc-fwd-srnsctxt-ackdenied-rx%,%sgtpc-fwd-rel-compl-ack-accept-tx%,%sgtpc-fwd-rel-compl-ack-acceptrx%,%sgtpc-fwd-rel-compl-ack-denied-tx%,%sgtpc-fwd-rel-compl-ack-deniedrx%,%sqtpc-reloc-cncl-denied-tx%,%sqtpc-reloc-cncl-denied-rx%,%sqtpc-ver-notsupported-rx%,%sgtpc-ver-not-supported-tx%,%sgtpc-supp-extn-hdr-notifrx%,%sgtpc-supp-extn-hdr-notif-tx%,%sgtpu-ggsn-byts-sent%,%sgtpu-rnc-bytssent%,%sqtpu-sqsn-byts-sent%,%sqtpu-qqsn-byts-rcvd%,%sqtpu-qqsn-pktqueued%,%sqtpu-gqsn-byts-queued%,%sqtpu-gqsn-pkt-queue-full%,%sqtpu-gqsn-bytsqueue-full%,%sgtpu-ggsn-pkt-unkwn-sess%,%sgtpu-ggsn-byts-unkwn-sess%,%sgtpuggsn-pkt-suspended-st%,%sgtpu-ggsn-byts-suspended-st%,%sgtpu-ggsn-pkt-invalidmsg-length%,%sgtpu-ggsn-byts-invalid-msg-length%,%sgtpu-rnc-byts-rcvd%,%sgtpurnc-pkt-queued%,%sgtpu-rnc-byts-queued%,%sgtpu-rnc-pkt-queue-full%,%sgtpu-rncbyts-queue-full%,%sgtpu-rnc-pkt-unkwn-sess%,%sgtpu-rnc-byts-unkwn-sess%,%sgtpurnc-pkt-sess-dealloc%,%sgtpu-rnc-byts-sess-dealloc%,%sgtpu-rnc-pkt-invalid-msglength%,%sgtpu-rnc-byts-invalid-msg-length%,%sgtpu-rnc-pkt-source-ipviol%,%sgtpu-rnc-byts-source-ip-viol%,%sgtpu-sgsn-byts-rcvd%,%sgtpu-sgsn-pktqueued%,%sgtpu-sgsn-byts-queued%,%sgtpu-sgsn-pkt-queue-full%,%sgtpu-sgsn-bytsqueue-full%

sgtp schema sgtpSch3 format EMS,SGTP3,%date%,%time%,%vpnname%, %vpn-id%, %service-name%, %sgtpu-sgsn-pkt-unkwn-sess%, %sgtpu-sgsn-bytsunkwn-sess%,%sgtpu-sgsn-pkt-iu-release%,%sgtpu-sgsn-byts-iu-release%,%sgtpusgsn-pkt-invalid-msg-length%,%sgtpu-sgsn-byts-invalid-msg-length%,%sgtpc-v0echo-req-tx%,%sgtpc-v0-echo-req-rx%,%sgtpc-v0-echo-rsp-tx%,%sgtpc-v0-echo-rsprx%, %sgtpu-ggsn-pkt-sess-dealloc%, %sgtpu-ggsn-byts-sess-dealloc%, %sgtpu-ggsnpkt-page-fail%,%sgtpu-ggsn-byts-page-fail%,%sgtpu-ggsn-pkt-v0-seq-num-ntpres%,%sgtpu-ggsn-byts-v0-seq-num-nt-pres%,%sgtpu-rnc-pkt-rau-in-activest%,%sgtpu-rnc-byts-rau_in_active-st%,%sgtpu-rnc-pkt-reg_in_rau%,%sgtpu-rncbyts-reg_in_rau%,%sgtpu-rnc-pkt-suspended-st%,%sgtpu-rnc-byts-suspendedst%,%sgtpu-sgsn-pkt-inconsistent-tunnel-state%,%sgtpu-sgsn-byts-inconsistenttunnel-state%,%sgtpu-sgsn-pkt-sess-dealloc%,%sgtpu-sgsn-byts-sessdealloc%, %sgtpu-total-ggsn-pkt-drop%, %sgtpu-total-ggsn-byts-drop%, %sgtpu-totalsgsn-pkt-drop%,%sgtpu-total-sgsn-byts-drop%,%sgtpu-total-rnc-pkt-drop%,%sgtputotal-rnc-byts-drop%,%sgtpu-ggsn-pkt-drop-suspend-dealloc-st%,%sgtpu-ggsn-bytsdrop-suspend-dealloc-st%,%sgtpu-rnc-pkt-rau-in-active-reg-st%,%sgtpu-rnc-bytsrau_in_active-reg-st%,%sgtpu-rnc-pkt-drop-suspended-dealloc-st%,%sgtpu-rnc-bytsdrop-suspended-dealloc-st%,%sgtpu-total-pkt-ctxt-preserved%,%sgtpu-total-bytsctxt-preserved%,%sgtpc-paket-discarded%,%sgtpc-v1-retrnas-echo-req-tx%,%sgtpcv0-retrnas-echo-req-tx%,%sgtpu-errors-payload-length-mismatch%,%sgtpu-rnc-bytsunknown-version%,%sgtpu-rnc-pkt-unknown-version%,%sgtpu-ggsn-byts-unknownversion%,%sgtpu-sgsn-byts-unknown-version%,%sgtpu-ggsn-pkt-unknownversion%, %sgtpu-sgsn-pkt-unknown-version%, %iups-service%, %rnc-address%, %ggsnaddress%

sgtp schema sgtpSch4 format EMS,SGTP4,%date%,%time%,%vpnname%,%vpn-id%,%service-name%,%sgtpu-v1-echo-req-tx%,%sgtpu-v0-echo-reqtx%,%sgtpu-v1-echo-req-rx%,%sgtpu-v0-echo-req-rx%,%sgtpu-v1-echo-rsp-tx%,%sgtpu-v1-echoreq-retrans%,%sgtpu-v0-echo-req-retrans%,%sgtpu-sgsn-unknown-errind%,%sgtpusgsn-unsolicited-data-pkt%, %sgtpu-sgsn-err-ind-for-unsolicited-pkt%, %sgtpu-ggsnpkt-traffic-policing%, %sgtpu-ggsn-byts-traffic-policing%, %sgtpu-rnc-pkt-trafficpolicing%, %sgtpu-rnc-byts-traffic-policing%, %sgtpc-upc-req-accept-v1-tx%, %sgtpcupc-req-accept-v1-rx%, %sgtpc-upc-req-accept-v0-rx%, %sgtpc-dpc-reqaccept-v0-rx%, %sgtpc-ident-req-accept-v1-rx%, %sgtpc-dpc-reqaccept-v0-rx%, %sgtpc-ident-req-accept-v1-tx%, %sgtpc-ident-req-accept-v0tx%, %sgtpc-ident-req-accept-v1-rx%, %sgtpc-ident-req-accept-v0tx%, %sgtpc-ident-req-accept-v1-rx%, %sgtpc-sgsnctxt-req-accept-v1-tx%, %sgtpc-sgsn-ctxt-reqaccept-v1-rx%, %sgtpc-sgsn-ctxt-req-accept-v0-tx%, %sgtpc-sgsn-ctxt-reqaccept-v1-rx%, %sgtpc-sgsn-ctxt-req-accept-v0-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1tx%, %sgtpc-sgsn-ctxt-ack-accept-v0-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v0-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v0-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v0-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v1-tx%, %sgtpc-sgsn-ctxt-ack-accept-v0-tx%, %

sccp schema sccpSch1 format EMS, SCCP, %date%, %time%, %sccp-nwid%,%ssa-txed%,%ss-oos-grant-txed%,%ss-oos-reg-txed%,%ssp-txed%,%ss-status-testtxed%,%ssa-rcvd%,%ss-oos-grant-rcvd%,%ss-oos-req-rcvd%,%ss-prohibit-rcvd%,%ssstatus-test-rcvd%, %ss-congested-txed%, %ss-congested-rcvd%, %sccp-rtf-notransaddr-nature%, %sccp-rtf-notrans-addr-specific%, %sccp-rtf-netwfail-pcunavail%,%sccp-rtf-netw-conges%,%sccp-rtf-ssn-fail%,%sccp-rtf-ssn-conges%,%sccpsyntax-error%,%sccp-reassem-err-timer%,%sccp-reassem-err-sequence%,%sccpreassem-err-space%,%sccp-hop-counter-violation%,%sccp-provider-ini-reset%,%sccpprovider-ini-rel%, %sccp-msg-toolarge-segment%, %sccp-segmentation-fail%, %sccptotal-msgs-handled%,%sccp-total-msgs-handl-local-ss%,%sccp-total-msgs-reqgtt%,%sccp-udt-sent%,%sccp-udt-rcvd%,%sccp-udts-sent%,%sccp-udts-rcvd%,%sccpxudt-sent%, %sccp-xudt-rcvd%, %sccp-xudts-sent%, %sccp-xudts-rcvd%, %sccp-ludtsent%,%sccp-ludt-rcvd%,%sccp-ludts-sent%,%sccp-ludts-rcvd%,%sccp-cr-sent%,%sccpcr-rcvd%,%sccp-cc-sent%,%sccp-cc-rcvd%,%sccp-cref-sent%,%sccp-cref-rcvd%,%sccprsr-msg-sent%,%sccp-rsr-msg-rcvd%,%sccp-err-msg-sent%,%sccp-err-msg-rcvd%,%sccpunequipped-user%, %sccp-reason-unknown%, %sccp-class-0-sent%, %sccp-class-0rcvd%,%sccp-class-1-sent%,%sccp-class-1-rcvd%,%sccp-DT1-sent%,%sccp-DT1rcvd%, %sccp-rel-compl-supv-fail%, %sccp-rel-disconn-req-rx%, %sccp-routing-failinvalid-ins-routing-req%,%sccp-routing-fail-invalid-isni-routing-req%,%sccprouting-fail-isni-constrained-routing%,%sccp-routing-fail-redundant-isnirouting-req%, %sccp-routing-fail-isni-identify-network%, %sccp-inactivity-rcv-tmrexpired%,%sccp-inactivity-test-sent%,%sccp-inactivity-test-received%,%sccpcongested-msg-rcvd%, %sccp-prohibit-msg-rcvd%

ss7rd schema ss7rdSch1 format EMS,SS7RD1,%date%,%time%,%ss7rdnumber%,%ss7rd-asp_instance%,%ss7rd-sctp-init-tx%,%ss7rd-sctp-init-rtx%,%ss7rdsctp-init-rx%,%ss7rd-sctp-init-ack-tx%,%ss7rd-sctp-init-ack-rx%,%ss7rd-sctpshutdown-tx%,%ss7rd-sctp-shutdown-rtx%,%ss7rd-sctp-shutdown-rx%,%ss7rd-sctpshutdown-ack-tx%,%ss7rd-sctp-shutdown-ack-rtx%,%ss7rd-sctp-shutdown-ackrx%, %ss7rd-sctp-cookie-tx%, %ss7rd-sctp-cookie-rtx%, %ss7rd-sctp-cookierx%, %ss7rd-sctp-cookie-ack-tx%, %ss7rd-sctp-cookie-ack-rx%, %ss7rd-sctp-datatx%,%ss7rd-sctp-data-rtx%,%ss7rd-sctp-data-rx%,%ss7rd-sctp-sack-tx%,%ss7rd-sctpsack-rx%, %ss7rd-sctp-shutdown-compl-tx%, %ss7rd-sctp-shutdown-compl-rx%, %ss7rdsctp-heartbeat-tx%,%ss7rd-sctp-heartbeat-rx%,%ss7rd-sctp-heartbeat-acktx%,%ss7rd-sctp-heartbeat-ack-rx%,%ss7rd-sctp-abort-tx%,%ss7rd-sctp-abortrx%,%ss7rd-sctp-bytes-tx%,%ss7rd-sctp-bytes-rx%,%ss7rd-mtp3-data-tx%,%ss7rdmtp3-paused-tx%,%ss7rd-mtp3-resumed-tx%,%ss7rd-mtp3-congest-tx%,%ss7rd-mtp3restrict-tx%,%ss7rd-mtp3-reset-begin-tx%,%ss7rd-mtp3-reset-end-tx%,%ss7rd-mtp3reset-upu-tx%,%ss7rd-mtp3-data-rx%,%ss7rd-mtp3-paused-rx%,%ss7rd-mtp3-resumedrx%,%ss7rd-mtp3-congest-rx%,%ss7rd-mtp3-restrict-rx%,%ss7rd-mtp3-reset-beginrx%, %ss7rd-mtp3-reset-end-rx%, %ss7rd-mtp3-reset-upu-rx%, %ss7rd-m3ua-datatx%, %ss7rd-m3ua-duna-tx%, %ss7rd-m3ua-dava-tx%, %ss7rd-m3ua-daud-tx%, %ss7rd-m3uascon-tx%, %ss7rd-m3ua-dupu-tx%, %ss7rd-m3ua-drst-tx%, %ss7rd-m3ua-regreqtx%, %ss7rd-m3ua-regrsp-tx%, %ss7rd-m3ua-deregreq-tx%, %ss7rd-m3ua-deregrsptx%, %ss7rd-m3ua-aspup-tx%, %ss7rd-m3ua-aspup-ack-tx%, %ss7rd-m3ua-aspdntx%, %ss7rd-m3ua-aspdn-ack-tx%, %ss7rd-m3ua-aspac-tx%, %ss7rd-m3ua-aspdntx%, %ss7rd-m3ua-aspdn-ack-tx%, %ss7rd-m3ua-aspac-tx%, %ss7rd-m3ua-aspdntx%, %ss7rd-m3ua-aspia-tx%, %ss7rd-m3ua-aspia-ack-tx%, %ss7rd-m3ua-hearbeattx%, %ss7rd-m3ua-hearbeat-ack-tx%, %ss7rd-m3ua-error-tx%, %ss7rd-m3ua-notifytx%, %ss7rd-m3ua-data-rx%

ss7rd schema ss7rdSch2 format EMS,SS7RD2,%date%,%time%,%ss7rdnumber%,%ss7rd-asp_instance%,%ss7rd-m3ua-duna-rx%,%ss7rd-m3ua-dava-rx%,%ss7rdm3ua-daud-rx%,%ss7rd-m3ua-scon-rx%,%ss7rd-m3ua-dupu-rx%,%ss7rd-m3ua-drstrx%,%ss7rd-m3ua-regreq-rx%,%ss7rd-m3ua-regrsp-rx%,%ss7rd-m3ua-deregreqrx%,%ss7rd-m3ua-deregrsp-rx%,%ss7rd-m3ua-aspup-rx%,%ss7rd-m3ua-aspup-ackrx%, %ss7rd-m3ua-aspdn-rx%, %ss7rd-m3ua-aspdn-ack-rx%, %ss7rd-m3ua-aspacrx%,%ss7rd-m3ua-aspac-ack-rx%,%ss7rd-m3ua-aspia-rx%,%ss7rd-m3ua-aspia-ackrx%,%ss7rd-m3ua-hearbeat-rx%,%ss7rd-m3ua-hearbeat-ack-rx%,%ss7rd-m3ua-errorrx%,%ss7rd-m3ua-notify-rx%,%ss7rd-m3ua-lower-intf-pdu-tx%,%ss7rd-m3ua-lowerintf-pdu-rx%,%ss7rd-m3ua-upper-intf-pdu-tx%,%ss7rd-m3ua-upper-intf-pdurx%, %ss7rd-m3ua-down-no-route-found%, %ss7rd-m3ua-down-pc-unvailable%, %ss7rdm3ua-down-msg-failed%,%ss7rd-m3ua-down-loadshare-failed%,%ss7rd-m3ua-up-noroute-found%,%ss7rd-m3ua-up-pc-unvailable%,%ss7rd-m3ua-up-msg-failed%,%ss7rdm3ua-up-loadshare-failed%,%ss7rd-sctp-error-tx%,%ss7rd-sctp-error-rx%,%ss7rdm3ua-lower-intf-pdusize-tx%,%ss7rd-m3ua-lower-intf-pdusize-rx%,%ss7rd-m3uaupper-intf-pdusize-tx%,%ss7rd-m3ua-upper-intf-pdusize-rx%,%ss7rd-m3ua-down-pccongested%,%ss7rd-m3ua-down-no-psp-avail%,%ss7rd-m3ua-down-no-nsapavail%,%ss7rd-m3ua-down-data-conges-q%,%ss7rd-m3ua-down-data-as-pend-q%,%ss7rdm3ua-up-pc-congested%,%ss7rd-m3ua-up-no-psp-avail%,%ss7rd-m3ua-up-no-nsapavail%,%ss7rd-m3ua-up-data-conges-q%,%ss7rd-m3ua-up-data-as-pend-q%,%ss7rd-mtp3user-part-unavail-tx%,%ss7rd-mtp3-traffic-restart-allowed-tx%,%ss7rd-mtp3traffic-restart-waiting-tx%,%ss7rd-mtp3-user-part-unavail-rx%,%ss7rd-mtp3traffic-restart-allowed-rx%,%ss7rd-mtp3-traffic-restart-waiting-rx%,%ss7rd-mtp3msu-dropped-routing-err%

ss7rd schema ss7rdSch3 format EMS,SS7RD3,%date%,%time%,%ss7rdnumber%,%ss7rd-asp_instance%,%ss7rd-m3ua-psp-ps-id%,%ss7rd-m3ua-pspinstance%,%ss7-adjacent-point-code%,%ss7-adjacent-spc-not-accessible%,%ss7rdm3ua-psp-aspac-ack-rx%,%ss7rd-m3ua-psp-aspac-ack-tx%,%ss7rd-m3ua-psp-aspacrx%,%ss7rd-m3ua-psp-aspac-tx%,%ss7rd-m3ua-psp-aspdn-ack-rx%,%ss7rd-m3ua-pspaspdn-ack-tx%,%ss7rd-m3ua-psp-aspdn-rx%,%ss7rd-m3ua-psp-aspdn-tx%,%ss7rd-m3uapsp-aspia-ack-rx%,%ss7rd-m3ua-psp-aspia-ack-tx%,%ss7rd-m3ua-psp-aspiarx%,%ss7rd-m3ua-psp-aspia-tx%,%ss7rd-m3ua-psp-aspup-ack-rx%,%ss7rd-m3ua-pspaspup-ack-tx%,%ss7rd-m3ua-psp-aspup-rx%,%ss7rd-m3ua-psp-aspup-tx%,%ss7rd-m3uapsp-congestion-count%,%ss7rd-m3ua-psp-congestion-duration%,%ss7rd-m3ua-pspcongestion-level1%,%ss7rd-m3ua-psp-congestion-level2%,%ss7rd-m3ua-pspcongestion-level3%,%ss7rd-m3ua-psp-congestion-queue-hw%,%ss7rd-m3ua-pspcongestion-queue-size%, %ss7rd-m3ua-psp-data-pdu-rx%, %ss7rd-m3ua-psp-datapdusize-rx%,%ss7rd-m3ua-psp-data-pdusize-tx%,%ss7rd-m3ua-psp-data-pdutx%,%ss7rd-m3ua-psp-data-rx%,%ss7rd-m3ua-psp-data-tx%,%ss7rd-m3ua-psp-daudrx%,%ss7rd-m3ua-psp-daud-tx%,%ss7rd-m3ua-psp-dava-rx%,%ss7rd-m3ua-psp-davatx%,%ss7rd-m3ua-psp-deregreq-rx%,%ss7rd-m3ua-psp-deregreq-tx%,%ss7rd-m3ua-pspderegrsp-rx%,%ss7rd-m3ua-psp-deregrsp-tx%,%ss7rd-m3ua-psp-drst-rx%,%ss7rd-m3uapsp-drst-tx%,%ss7rd-m3ua-psp-duna-rx%,%ss7rd-m3ua-psp-duna-tx%,%ss7rd-m3ua-pspdupu-rx%,%ss7rd-m3ua-psp-dupu-tx%,%ss7rd-m3ua-psp-error-rx%,%ss7rd-m3ua-psperror-tx%,%ss7rd-m3ua-psp-hearbeat-ack-rx%,%ss7rd-m3ua-psp-hearbeat-acktx%,%ss7rd-m3ua-psp-hearbeat-rx%,%ss7rd-m3ua-psp-hearbeat-tx%,%ss7rd-m3ua-pspnotify-rx%,%ss7rd-m3ua-psp-notify-tx%,%ss7rd-m3ua-psp-regreq-rx%,%ss7rd-m3uapsp-regreq-tx%,%ss7rd-m3ua-psp-regrsp-rx%,%ss7rd-m3ua-psp-regrsp-tx%,%ss7rd-m3uam3ua-psp-scon-rx%

ss7rd schema ss7rdSch4 format EMS,SS7RD4,%date%,%time%,%ss7rdnumber%,%ss7rd-asp_instance%,%ss7rd-m3ua-psp-scon-tx%,%ss7rd-m3ua-pspunvailable-count%,%ss7rd-m3ua-psp-unvailable-duration%,%ss7rd-m3ua-psp-up-dataas-pend-q%,%ss7rd-m3ua-psp-up-data-conges-q%,%ss7rd-m3ua-psp-up-loadsharefailed%,%ss7rd-m3ua-psp-up-msg-failed%,%ss7rd-m3ua-psp-up-no-nsap-avail%,%ss7rdm3ua-psp-up-no-psp-avail%,%ss7rd-m3ua-psp-up-no-route-found%,%ss7rd-m3ua-psp-uppc-congested%,%ss7rd-m3ua-psp-up-pc-unvailable%

mipv6ha schema mipv6haSch1 format

EMS, MIPV6HA, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %numsubscriber%, %aaa-attempt%, %aaa-success%, %aaa-totfail%, %aaa-actauthfail%, %aaamisauthfail%,%bindupdrec-totrec%,%bindupdrec-totacc%,%bindupdrectotdeny%,%bindupdrec-totdisc%,%bindupdrec-totcongdisc%,%ibindupdreqreceive%,%ibindupdreq-accept%,%ibindupdreq-deny%,%rbindupdreqreceive%, %rbindupdreq-accept%, %rbindupdreq-deny%, %deregreq-receive%, %deregreqaccept%,%deregreq-deny%,%horeq-receive%,%horeq-accept%,%horeqdeny%,%bindacksent-total%,%bindacksent-acceptreg%,%bindacksentacceptdereg%,%bindacksent-deny%,%denyreason-badreq%,%denyreasonmismatchid%,%denyreason-mnauthfail%,%denyreason-admprohibit%,%denyreasonnoresource%,%denyreason-simbindexceed%,%denyreason-senderror%,%denyreasonunspereason%,%denyreason-msgidrequire%,%denyreason-dadfail%,%denyreasonnothomesubnet%,%denyreason-seqoutwindow%,%denyreason-regchadisallow%,%rrqdenyadmprohibit%,%rrqdeny-unknownha%,%datareceive-totpkt%,%datareceivetotpkt6in6%,%datareceive-totbyte%,%datareceive-totbyte6in6%,%datareceiveerrorprotocol%,%datareceive-errorinvpkt%,%datareceive-errornosess%,%datasenttotpkt%,%datasent-totpkt6in6%,%datasent-totbyte%,%datasenttotbyte6in6%,%disconnect-lifetimeexp%,%disconnect-deregistration%,%disconnectadmdrop%, %disconnect-othreason%, %icmpv6-toobigreceive%, %icmpv6toobigforward%,%icmpv6-toobiggenerate%

context schema contextSch1 format

EMS, CONTEXT, %date%, %time%, %vpnname%, %vpnid%, %sfw-total-rxpackets%, %sfw-totalrxbytes%, %sfw-total-txpackets%, %sfw-total-txbytes%, %sfw-totalinjectedpkts%, %sfw-total-injectedbytes%, %sfw-dnlnk-droppkts%, %sfw-dnlnkdropbytes%, %sfw-uplnk-droppkts%, %sfw-uplnk-dropbytes%, %sfw-totalmalpackets%, %sfw-ip-discardpackets%, %sfw-ip-malpackets%, %sfw-icmpdiscardpackets%, %sfw-icmp-malpackets%, %sfw-tcp-discardpackets%, %sfw-tcpmalpackets%, %sfw-udp-discardpackets%, %sfw-udp-malpackets%, %sfw-totaldosattacks%, %sfw-total-flows%, %dns-primary-ns-a-atmpts%, %dns-primary-ns-afails%, %dns-primary-ns-aaaa-succs%, %dns-primary-ns-naptr-atmpts%, %dnsprimary-ns-naptr-fails%, %dns-primary-ns-naptr-succs%, %dns-primary-nsa-atmpts%, %dns-primary-ns-a-fails%, %dns-primary-ns-srvatmpts%, %dns-secondary-ns-a-fails%, %dns-secondary-ns-asuccs%, %dns-secondary-ns-a-fails%, %dns-secondary-ns-a-succs%, %dns-secondary-

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ns-aaaa-atmpts%,%dns-secondary-ns-aaaa-fails%,%dns-secondary-ns-aaaasuccs%,%dns-secondary-ns-naptr-atmpts%,%dns-secondary-ns-naptr-fails%,%dnssecondary-ns-naptr-succs%,%dns-secondary-ns-srv-atmpts%,%dns-secondary-ns-srvfails%,%dns-secondary-ns-srv-succs%,%bgp-maxroute%,%bgp-totroute%

cscf schema cscfSch1 format

EMS, CSCF1, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %curregusers%, %faile dauth%,%regexp%,%callattrx%,%callatttx%,%callsuccrx%,%callsucctx%,%callfailrx%,% callfailtx%,%curcscfsess%,%callrejpdf%,%callrejloc%,%sesstimeexp%,%hssacc%,%emer gcalls%,%tollfreecalls%,%premservcalls%,%internationalcalls%,%longDistancecalls% ,%opassistcalls%,%dirassistcalls%,%regreqrx%,%regreqtx%,%invreqrx%,%invreqtx%,%a ckreqrx%, %ackreqtx%, %byereqrx%, %byereqtx%, %cancreqrx%, %cancreqtx%, %optreqrx%, %op treqtx%,%prackreqrx%,%prackreqtx%,%subreqrx%,%subreqtx%,%notreqtx%,%notreqtx%,%r efreqrx%,%refreqtx%,%inforeqrx%,%inforeqtx%,%updreqrx%,%updreqtx%,%msgreqrx%,%ms greqtx%,%pubreqrx%,%pubreqtx%,%tryrsprx%,%tryrsptx%,%rngrsprx%,%rngrsptx%,%fwdrs prx%,%fwdrsptx%,%quersprx%,%quersptx%,%prgrsprx%,%prgrsptx%,%200-regrsprx%,%200regrsptx%,%200-invrsprx%,%200-invrsptx%,%200-byersprx%,%200-byersptx%,%200cnlrsprx%,%200-cnlrsptx%,%200-optrsprx%,%200-optrsptx%,%200-prackrsprx%,%200prackrsptx%,%200-subrsprx%,%200-subrsptx%,%200-notrsprx%,%200-notrsptx%,%200infrsprx%,%200-infrsptx%,%200-updrsprx%,%200-updrsptx%,%200-pubrsprx%,%200pubrsptx%,%200-refrsprx%,%200-refrsptx%,%200-msgrsprx%,%200-msgrsptx%,%202refrsprx%,%202-refrsptx%,%202-subrsprx%,%202-

subrsptx%,%mchrsprx%,%mchrsptx%,%mpersprx%,%mpersptx%,%mtersprx%,%mtersptx%,%upx rsprx%,%upxrsptx%,%altrsprx%,%altrsptx%,%brqerrrx%,%brqerrtx%,%uauerrrx%,%uauerr tx%,%forerrrx%,%forerrtx%,%nfderrrx%,%nfderrtx%,%mnaerrrx%,%mnaerrtx%,%nac406err rx%,%nac406errtx%,%parerrrx%,%parerrtx%,%rtoerrrx%,%rtoerrtx%,%gonerr tx%,%crferrrx%,%crferrtx%,%relerrrx%,%relerrtx%,%rulerrrx%,%rulerrrx%,%umterrrx%,%umterrrx%,%umterrrx%,%userrtx%,%bexerrtx%,%bexerrtx%,%exrerrtx%,%idterrrx%,%idterrrx%,%idterrrx%,%idterrrx%,%ldterrrx%,%ldterrrx%,%ldterrrx%,%ldterrrx%,%ldterrrx%

cscf schema cscfSch2 format

EMS, CSCF2, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %tmherrrx%, %tmherrtx %,%adierrrx%,%adierrtx%,%amberrrx%,%amberrtx%,%bhrerrrx%,%bhrerrtx%,%rqcerrrx%,% rqcerrtx%,%namerrrx%,%namerrtx%,%trperrrx%,%trperrtx%,%udperrrx%,%udperrtx%,%ine errrx%,%ineerrtx%,%nimerrrx%,%nimerrtx%,%bgterrrx%,%bgterrtx%,%suaerrrx%,%suaerr tx%,%gtterrrx%,%gtterrtx%,%bsverrrx%,%bsverrtx%,%mtlerrrx%,%mtlerrtx%,%pcferrrx% ,%pcferrtx%,%bewerrrx%,%bewerrtx%,%decerrrx%,%decerrtx%,%neaerrrx%,%neaerrtx%,%n ac606errrx%, %nac606errtx%, %callsetuptime%, %callscounted%, %sec-rereg%, %secdereg%,%sec-assoc-rejects%,%sub-with-sec-conn%,%sub-with-unsec-conn%,%deregattrx%,%dereg-atttx%,%dereg-succrx%,%dereg-succtx%,%dereg-failrx%,%deregfailtx%,%dereg-resp-401rx%,%dereg-resp-401tx%,%dereg-resp-403rx%,%dereg-resp-403tx%,%dereg-resp-404rx%,%dereg-resp-404tx%,%dereg-resp-420rx%,%dereg-resp-420tx%,%dereg-resp-500rx%,%dereg-resp-500tx%,%reg-attrx%,%reg-atttx%,%regsuccrx%,%reg-succtx%,%reg-failrx%,%reg-failtx%,%reg-resp-401rx%,%reg-resp-401tx%,%reg-resp-403rx%,%reg-resp-403tx%,%reg-resp-404rx%,%reg-resp-404tx%,%regresp-420rx%,%reg-resp-420tx%,%reg-resp-500rx%,%reg-resp-500tx%,%reregattrx%,%rereg-atttx%,%rereg-succrx%,%rereg-succtx%,%rereg-failrx%,%reregfailtx%,%rereg-resp-401rx%,%rereg-resp-401tx%,%rereg-resp-403rx%,%rereg-resp-403tx%,%rereg-resp-404rx%,%rereg-resp-404tx%,%rereg-resp-420rx%,%rereg-resp-420tx%,%rereg-resp-500rx%,%rereg-resp-500tx%,%call-rel-attrx%,%call-relatttx%,%call-rel-succrx%,%call-rel-succtx%,%call-rel-failrx%,%call-relfailtx%,%rtp-sent%,%rtp-recv%,%min-invite-proc-time%,%max-invite-proctime%,%min-first-resp-time%,%max-first-resp-time%,%min-post-dial-delay%,%maxpost-dial-delay%,%min-session-setup-delay%

cscf schema cscfSch3 format

EMS, CSCF3, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %max-session-setupdelay%, %min-post-answer-delay%, %max-post-answer-delay%, %min-session-reldelay%, %max-session-rel-

delay%,%prerrrx%,%prerrtx%,%conferrrx%,%conferrtx%,%lrerrrx%,%lrerrtx%,%blierrrx
%,%blierrtx%,%beerrtx%,%sarerrrx%,%sarerrtx%,%tot-sip-invalid-msgsrx%,%tot-sip-msgs-rx%,%tot-sip-msgs-

tx%,%regreqretx%,%invreqretx%,%byereqretx%,%cancreqretx%,%active-tcpconn%,%closed-tcp-conn%,%succ-tcp-conn-out%,%fail-tcp-conn-out%,%succ-tcp-connin%,%fail-tcp-conn-in%,%reg-rejdueto-secagree%,%reg-rejduetoalgomismatch%,%ipsec-pktrx%,%ipsec-pkttx%,%ipsec-octrx%,%ipsec-octtx%,%msgdrops-duetoerror%, %msgs-withincorr-sec-verify%, %msgsum-subs-attrx%, %msgsum-subsatttx%,%msgsum-subs-succrx%,%msgsum-subs-succtx%,%msgsum-subs-failrx%,%msgsumsubs-failtx%, %msgsum-subs-resp-200rx%, %msgsum-subs-resp-200tx%, %msgsum-subsresp-202rx%, %msgsum-subs-resp-202tx%, %msgsum-subs-resp-400rx%, %msgsum-subs-resp-400tx%,%msgsum-subs-resp-403rx%,%msgsum-subs-resp-403tx%,%msgsum-subs-resp-481rx%, %msgsum-subs-resp-481tx%, %msgsum-subs-resp-489rx%, %msgsum-subs-resp-489tx%,%msgsum-subs-resp-500rx%,%msgsum-subs-resp-500tx%,%msgsum-subs-resp-3xxrx%,%msgsum-subs-resp-3xxtx%,%msgsum-subs-resp-4xxrx%,%msgsum-subs-resp-4xxtx%,%msgsum-subs-resp-5xxrx%,%msgsum-subs-resp-5xxtx%,%msgsum-subs-resp-6xxrx%,%msgsum-subs-resp-6xxtx%,%msgsum-resubs-attrx%,%msgsum-resubsatttx%,%msgsum-resubs-succrx%,%msgsum-resubs-succtx%,%msgsum-resubsfailrx%, %msgsum-resubs-failtx%, %msgsum-resubs-resp-200rx%, %msgsum-resubs-resp-200tx%,%msgsum-resubs-resp-202rx%,%msgsum-resubs-resp-202tx%,%msgsum-resubsresp-400rx%, %msgsum-resubs-resp-400tx%, %msgsum-resubs-resp-403rx%, %msgsumresubs-resp-403tx%

cscf schema cscfSch4 format

EMS, CSCF4, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %msgsum-resubs-resp-481rx%,%msgsum-resubs-resp-481tx%,%msgsum-resubs-resp-489rx%,%msgsum-resubsresp-489tx%,%msgsum-resubs-resp-500rx%,%msgsum-resubs-resp-500tx%,%msgsumresubs-resp-3xxrx%, %msgsum-resubs-resp-3xxtx%, %msgsum-resubs-resp-4xxrx%, %msgsum-resubs-resp-4xxtx%, %msgsum-resubs-resp-5xxrx%, %msgsum-resubsresp-5xxtx%,%msgsum-resubs-resp-6xxrx%,%msgsum-resubs-resp-6xxtx%,%msgsumunsubs-attrx%, %msgsum-unsubs-atttx%, %msgsum-unsubs-succrx%, %msgsum-unsubssucctx%, %msgsum-unsubs-failrx%, %msgsum-unsubs-failtx%, %msgsum-unsubs-resp-200rx%,%msgsum-unsubs-resp-200tx%,%msgsum-unsubs-resp-202rx%,%msgsum-unsubsresp-202tx%, %msgsum-unsubs-resp-400rx%, %msgsum-unsubs-resp-400tx%, %msgsumunsubs-resp-403rx%, %msgsum-unsubs-resp-403tx%, %msgsum-unsubs-resp-481rx%, %msgsum-unsubs-resp-481tx%, %msgsum-unsubs-resp-489rx%, %msgsum-unsubsresp-489tx%, %msgsum-unsubs-resp-500rx%, %msgsum-unsubs-resp-500tx%, %msgsumunsubs-resp-3xxrx%, %msgsum-unsubs-resp-3xxtx%, %msgsum-unsubs-resp-4xxrx%,%msgsum-unsubs-resp-4xxtx%,%msgsum-unsubs-resp-5xxrx%,%msgsum-unsubsresp-5xxtx%, %msgsum-unsubs-resp-6xxrx%, %msgsum-unsubs-resp-6xxtx%, %msgsumnotify-attrx%, %msgsum-notify-atttx%, %msgsum-notify-succrx%, %msgsum-notifysucctx%, %msgsum-notify-failrx%, %msgsum-notify-failtx%, %msgsum-notify-resp-3xxrx%, %msgsum-notify-resp-3xxtx%, %msgsum-notify-resp-400rx%, %msgsum-notifyresp-400tx%,%msgsum-notify-resp-481rx%,%msgsum-notify-resp-481tx%,%msgsumnotify-resp-489rx%, %msgsum-notify-resp-489tx%, %msgsum-notify-resp-4xxrx%, %msgsum-notify-resp-4xxtx%, %msgsum-notify-resp-500rx%, %msgsum-notifyresp-500tx%, %msgsum-notify-resp-5xxrx%, %msgsum-notify-resp-5xxtx%, %msgsumnotify-resp-6xxrx%, %msgsum-notify-resp-6xxtx%

cscf schema cscfSch5 format EMS, CSCF5, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %msgsum-pubattrx%,%msgsum-pub-atttx%,%msgsum-pub-succrx%,%msgsum-pub-succtx%,%msgsum-pubfailrx%,%msgsum-pub-failtx%,%msgsum-pub-resp-3xxrx%,%msgsum-pub-resp-3xxtx%, %msgsum-pub-resp-400rx%, %msgsum-pub-resp-400tx%, %msgsum-pub-resp-404rx%, %msgsum-pub-resp-404tx%, %msgsum-pub-resp-412rx%, %msgsum-pub-resp-412tx%, %msgsum-pub-resp-423rx%, %msgsum-pub-resp-423tx%, %msgsum-pub-resp-489rx%, %msgsum-pub-resp-489tx%, %msgsum-pub-resp-4xxrx%, %msgsum-pub-resp-4xxtx%,%msgsum-pub-resp-500rx%,%msgsum-pub-resp-500tx%,%msgsum-pub-resp-503rx%, %msgsum-pub-resp-503tx%, %msgsum-pub-resp-5xxrx%, %msgsum-pub-resp-5xxtx%,%msgsum-pub-resp-6xxrx%,%msgsum-pub-resp-6xxtx%,%msgsum-unpubattrx%,%msgsum-unpub-atttx%,%msgsum-unpub-succrx%,%msgsum-unpub-succtx%,%msgsumunpub-failrx%, %msgsum-unpub-failtx%, %msgsum-unpub-resp-3xxrx%, %msgsum-unpubresp-3xxtx%,%msgsum-unpub-resp-400rx%,%msgsum-unpub-resp-400tx%,%msgsum-unpubresp-404rx%, %msgsum-unpub-resp-404tx%, %msgsum-unpub-resp-412rx%, %msgsum-unpubresp-412tx%, %msgsum-unpub-resp-423rx%, %msgsum-unpub-resp-423tx%, %msgsum-unpubresp-489rx%,%msgsum-unpub-resp-489tx%,%msgsum-unpub-resp-4xxrx%,%msgsum-unpubresp-4xxtx%,%msgsum-unpub-resp-500rx%,%msgsum-unpub-resp-500tx%,%msgsum-unpubresp-503rx%, %msgsum-unpub-resp-503tx%, %msgsum-unpub-resp-5xxrx%, %msgsum-unpubresp-5xxtx%,%msgsum-unpub-resp-6xxrx%,%msgsum-unpub-resp-6xxtx%,%pres-subsattrx%,%pres-subs-atttx%,%pres-subs-succrx%,%pres-subs-succtx%,%pres-subsfailrx%,%pres-subs-failtx%,%pres-subs-resp-200rx%,%pres-subs-resp-200tx%,%pressubs-resp-202rx%, %pres-subs-resp-202tx%, %pres-subs-resp-400rx%, %pres-subs-resp-400tx%, %pres-subs-resp-403rx%, %pres-subs-resp-403tx%

cscf schema cscfSch6 format

EMS, CSCF6, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %pres-subs-resp-481rx%, %pres-subs-resp-481tx%, %pres-subs-resp-489rx%, %pres-subs-resp-489tx%,%pres-subs-resp-500rx%,%pres-subs-resp-500tx%,%pres-subs-resp-3xxrx%,%pres-subs-resp-3xxtx%,%pres-subs-resp-4xxrx%,%pres-subs-resp-4xxtx%,%pres-subs-resp-5xxrx%,%pres-subs-resp-5xxtx%,%pres-subs-resp-6xxrx%,%pres-subs-resp-6xxtx%,%pres-resubs-attrx%,%pres-resubs-atttx%,%presresubs-succrx%, %pres-resubs-succtx%, %pres-resubs-failrx%, %pres-resubsfailtx%,%pres-resubs-resp-200rx%,%pres-resubs-resp-200tx%,%pres-resubs-resp-202rx%,%pres-resubs-resp-202tx%,%pres-resubs-resp-400rx%,%pres-resubs-resp-400tx%,%pres-resubs-resp-403rx%,%pres-resubs-resp-403tx%,%pres-resubs-resp-481rx%, %pres-resubs-resp-481tx%, %pres-resubs-resp-489rx%, %pres-resubs-resp-489tx%, %pres-resubs-resp-500rx%, %pres-resubs-resp-500tx%, %pres-resubs-resp-3xxrx%,%pres-resubs-resp-3xxtx%,%pres-resubs-resp-4xxrx%,%pres-resubs-resp-4xxtx%,%pres-resubs-resp-5xxrx%,%pres-resubs-resp-5xxtx%,%pres-resubs-resp-6xxrx%,%pres-resubs-resp-6xxtx%,%pres-unsubs-attrx%,%pres-unsubs-atttx%,%presunsubs-succrx%, %pres-unsubs-succtx%, %pres-unsubs-failrx%, %pres-unsubsfailtx%,%pres-unsubs-resp-200rx%,%pres-unsubs-resp-200tx%,%pres-unsubs-resp-202rx%, %pres-unsubs-resp-202tx%, %pres-unsubs-resp-400rx%, %pres-unsubs-resp-400tx%,%pres-unsubs-resp-403rx%,%pres-unsubs-resp-403tx%,%pres-unsubs-resp-481rx%, %pres-unsubs-resp-481tx%, %pres-unsubs-resp-489rx%, %pres-unsubs-resp-489tx%,%pres-unsubs-resp-500rx%,%pres-unsubs-resp-500tx%,%pres-unsubs-resp3xxrx%,%pres-unsubs-resp-3xxtx%,%pres-unsubs-resp-4xxrx%,%pres-unsubs-resp-4xxtx%,%pres-unsubs-resp-5xxrx%,%pres-unsubs-resp-6xxtx%,%pres-unsubs-resp-6xxtx%

cscf schema cscfSch7 format

EMS, CSCF7, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %pres-notifyattrx%,%pres-notify-atttx%,%pres-notify-succrx%,%pres-notify-succtx%,%presnotify-failrx%,%pres-notify-failtx%,%pres-notify-resp-3xxrx%,%pres-notify-resp-3xxtx%,%pres-notify-resp-400rx%,%pres-notify-resp-400tx%,%pres-notify-resp-481rx%, %pres-notify-resp-481tx%, %pres-notify-resp-489rx%, %pres-notify-resp-489tx%,%pres-notify-resp-4xxrx%,%pres-notify-resp-4xxtx%,%pres-notify-resp-500rx%,%pres-notify-resp-500tx%,%pres-notify-resp-5xxrx%,%pres-notify-resp-5xxtx%,%pres-notify-resp-6xxrx%,%pres-notify-resp-6xxtx%,%pres-pub-attrx%,%prespub-atttx%,%pres-pub-succrx%,%pres-pub-succtx%,%pres-pub-failrx%,%pres-pubfailtx%,%pres-pub-resp-3xxrx%,%pres-pub-resp-3xxtx%,%pres-pub-resp-400rx%,%prespub-resp-400tx%, %pres-pub-resp-404rx%, %pres-pub-resp-404tx%, %pres-pub-resp-412rx%, %pres-pub-resp-412tx%, %pres-pub-resp-423rx%, %pres-pub-resp-423tx%, %prespub-resp-489rx%, %pres-pub-resp-489tx%, %pres-pub-resp-4xxrx%, %pres-pub-resp-4xxtx%,%pres-pub-resp-500rx%,%pres-pub-resp-500tx%,%pres-pub-resp-503rx%,%prespub-resp-503tx%,%pres-pub-resp-5xxrx%,%pres-pub-resp-5xxtx%,%pres-pub-resp-6xxrx%,%pres-pub-resp-6xxtx%,%pres-unpub-attrx%,%pres-unpub-atttx%,%pres-unpubsuccrx%, %pres-unpub-succtx%, %pres-unpub-failrx%, %pres-unpub-failtx%, %pres-unpubresp-3xxrx%,%pres-unpub-resp-3xxtx%,%pres-unpub-resp-400rx%,%pres-unpub-resp-400tx%,%pres-unpub-resp-404rx%,%pres-unpub-resp-404tx%,%pres-unpub-resp-412rx%, %pres-unpub-resp-412tx%, %pres-unpub-resp-423rx%, %pres-unpub-resp-423tx%,%pres-unpub-resp-489rx%,%pres-unpub-resp-489tx%,%pres-unpub-resp-4xxrx%,%pres-unpub-resp-4xxtx%,%pres-unpub-resp-500rx%,%pres-unpub-resp-500tx%,%pres-unpub-resp-503rx%,%pres-unpub-resp-503tx%

cscf schema cscfSch8 format

EMS, CSCF8, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %pres-unpub-resp-5xxrx%,%pres-unpub-resp-5xxtx%,%pres-unpub-resp-6xxrx%,%pres-unpub-resp-6xxtx%,%reg-subs-attrx%,%reg-subs-atttx%,%reg-subs-succrx%,%reg-subssucctx%,%reg-subs-failrx%,%reg-subs-failtx%,%reg-subs-resp-200rx%,%reg-subsresp-200tx%,%reg-subs-resp-202rx%,%reg-subs-resp-202tx%,%reg-subs-resp-400rx%,%reg-subs-resp-400tx%,%reg-subs-resp-403rx%,%reg-subs-resp-403tx%,%regsubs-resp-481rx%,%reg-subs-resp-481tx%,%reg-subs-resp-489rx%,%reg-subs-resp-489tx%,%reg-subs-resp-500rx%,%reg-subs-resp-500tx%,%reg-subs-resp-3xxrx%,%regsubs-resp-3xxtx%,%reg-subs-resp-4xxrx%,%reg-subs-resp-4xxtx%,%reg-subs-resp-5xxrx%,%reg-subs-resp-5xxtx%,%reg-subs-resp-6xxrx%,%reg-subs-resp-6xxtx%,%regresubs-attrx%,%reg-resubs-atttx%,%reg-resubs-succrx%,%reg-resubs-succtx%,%regresubs-failrx%,%reg-resubs-failtx%,%reg-resubs-resp-200rx%,%reg-resubs-resp-200tx%,%reg-resubs-resp-202rx%,%reg-resubs-resp-202tx%,%reg-resubs-resp-400rx%,%reg-resubs-resp-400tx%,%reg-resubs-resp-403rx%,%reg-resubs-resp-403tx%,%reg-resubs-resp-481rx%,%reg-resubs-resp-481tx%,%reg-resubs-resp-489rx%,%reg-resubs-resp-489tx%,%reg-resubs-resp-500rx%,%reg-resubs-resp-500tx%,%reg-resubs-resp-3xxrx%,%reg-resubs-resp-3xxtx%,%reg-resubs-resp-4xxrx%,%reg-resubs-resp-4xxtx%,%reg-resubs-resp-5xxrx%,%reg-resubs-resp-5xxtx%,%reg-resubs-resp-6xxrx%,%reg-resubs-resp-6xxtx%,%reg-unsubs-attrx%,%regunsubs-atttx%,%reg-unsubs-succrx%,%reg-unsubs-succtx%,%reg-unsubs-failrx%,%regunsubs-failtx%,%reg-unsubs-resp-200rx%,%reg-unsubs-resp-200tx%,%reg-unsubs-resp202rx%,%reg-unsubs-resp-202tx%,%reg-unsubs-resp-400rx%,%reg-unsubs-resp-400tx%,%reg-unsubs-resp-403rx%,%reg-unsubs-resp-403tx%,%reg-unsubs-resp-481rx%

cscf schema cscfSch9 format

EMS, CSCF9, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %reg-unsubs-resp-481tx%,%reg-unsubs-resp-489rx%,%reg-unsubs-resp-489tx%,%reg-unsubs-resp-500rx%, %reg-unsubs-resp-500tx%, %reg-unsubs-resp-3xxrx%, %reg-unsubs-resp-3xxtx%,%reg-unsubs-resp-4xxrx%,%reg-unsubs-resp-4xxtx%,%reg-unsubs-resp-5xxrx%,%reg-unsubs-resp-5xxtx%,%reg-unsubs-resp-6xxrx%,%reg-unsubs-resp-6xxtx%,%reg-notify-attrx%,%reg-notify-atttx%,%reg-notify-succrx%,%reg-notifysucctx%,%reg-notify-failrx%,%reg-notify-failtx%,%reg-notify-resp-3xxrx%,%regnotify-resp-3xxtx%,%reg-notify-resp-400rx%,%reg-notify-resp-400tx%,%reg-notifyresp-481rx%,%reg-notify-resp-481tx%,%reg-notify-resp-489rx%,%reg-notify-resp-489tx%,%reg-notify-resp-4xxrx%,%reg-notify-resp-4xxtx%,%reg-notify-resp-500rx%,%reg-notify-resp-500tx%,%reg-notify-resp-5xxrx%,%reg-notify-resp-5xxtx%,%reg-notify-resp-6xxrx%,%reg-notify-resp-6xxtx%,%reg-pub-attrx%,%reg-pubatttx%,%reg-pub-succrx%,%reg-pub-succtx%,%reg-pub-failrx%,%reg-pub-failtx%,%regpub-resp-3xxrx%, %reg-pub-resp-3xxtx%, %reg-pub-resp-400rx%, %reg-pub-resp-400tx%,%reg-pub-resp-404rx%,%reg-pub-resp-404tx%,%reg-pub-resp-412rx%,%reg-pubresp-412tx%,%reg-pub-resp-423rx%,%reg-pub-resp-423tx%,%reg-pub-resp-489rx%,%regpub-resp-489tx%, %reg-pub-resp-4xxrx%, %reg-pub-resp-4xxtx%, %reg-pub-resp-500rx%,%reg-pub-resp-500tx%,%reg-pub-resp-503rx%,%reg-pub-resp-503tx%,%reg-pubresp-5xxrx%,%reg-pub-resp-5xxtx%,%reg-pub-resp-6xxrx%,%reg-pub-resp-6xxtx%,%regunpub-attrx%, %reg-unpub-atttx%, %reg-unpub-succrx%, %reg-unpub-succtx%, %reg-unpubfailrx%,%reg-unpub-failtx%,%reg-unpub-resp-3xxrx%,%reg-unpub-resp-3xxtx%,%regunpub-resp-400rx%, %reg-unpub-resp-400tx%, %reg-unpub-resp-404rx%, %reg-unpub-resp-404tx%,%reg-unpub-resp-412rx%,%reg-unpub-resp-412tx%

cscf schema cscfSchA format

EMS, CSCFA, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %reg-unpub-resp-423rx%,%reg-unpub-resp-423tx%,%reg-unpub-resp-489rx%,%reg-unpub-resp-489tx%,%reg-unpub-resp-4xxrx%,%reg-unpub-resp-4xxtx%,%reg-unpub-resp-500rx%,%reg-unpub-resp-500tx%,%reg-unpub-resp-503rx%,%reg-unpub-resp-503tx%,%reg-unpub-resp-5xxrx%,%reg-unpub-resp-5xxtx%,%reg-unpub-resp-6xxrx%,%reg-unpub-resp-6xxtx%,%winfo-subs-attrx%,%winfo-subs-atttx%,%winfo-subssuccrx%, %winfo-subs-succtx%, %winfo-subs-failrx%, %winfo-subs-failtx%, %winfo-subsresp-200rx%, %winfo-subs-resp-200tx%, %winfo-subs-resp-202rx%, %winfo-subs-resp-202tx%,%winfo-subs-resp-400rx%,%winfo-subs-resp-400tx%,%winfo-subs-resp-403rx%, %winfo-subs-resp-403tx%, %winfo-subs-resp-481rx%, %winfo-subs-resp-481tx%, %winfo-subs-resp-489rx%, %winfo-subs-resp-489tx%, %winfo-subs-resp-500rx%, %winfo-subs-resp-500tx%, %winfo-subs-resp-3xxrx%, %winfo-subs-resp-3xxtx%,%winfo-subs-resp-4xxrx%,%winfo-subs-resp-4xxtx%,%winfo-subs-resp-5xxrx%,%winfo-subs-resp-5xxtx%,%winfo-subs-resp-6xxrx%,%winfo-subs-resp-6xxtx%,%winfo-resubs-attrx%,%winfo-resubs-atttx%,%winfo-resubs-succrx%,%winforesubs-succtx%, %winfo-resubs-failrx%, %winfo-resubs-failtx%, %winfo-resubs-resp-200rx%, %winfo-resubs-resp-200tx%, %winfo-resubs-resp-202rx%, %winfo-resubs-resp-202tx%,%winfo-resubs-resp-400rx%,%winfo-resubs-resp-400tx%,%winfo-resubs-resp-403rx%, %winfo-resubs-resp-403tx%, %winfo-resubs-resp-481rx%, %winfo-resubs-resp-481tx%,%winfo-resubs-resp-489rx%,%winfo-resubs-resp-489tx%,%winfo-resubs-resp-500rx%, %winfo-resubs-resp-500tx%, %winfo-resubs-resp-3xxrx%, %winfo-resubs-resp-3xxtx%,%winfo-resubs-resp-4xxrx%,%winfo-resubs-resp-4xxtx%,%winfo-resubs-resp5xxrx%,%winfo-resubs-resp-5xxtx%,%winfo-resubs-resp-6xxrx%,%winfo-resubs-resp-6xxtx%

cscf schema cscfSchB format

EMS, CSCFB, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %winfo-unsubsattrx%, %winfo-unsubs-atttx%, %winfo-unsubs-succrx%, %winfo-unsubs-succtx%, %winfounsubs-failrx%, %winfo-unsubs-failtx%, %winfo-unsubs-resp-200rx%, %winfo-unsubsresp-200tx%, %winfo-unsubs-resp-202rx%, %winfo-unsubs-resp-202tx%, %winfo-unsubsresp-400rx%, %winfo-unsubs-resp-400tx%, %winfo-unsubs-resp-403rx%, %winfo-unsubsresp-403tx%, %winfo-unsubs-resp-481rx%, %winfo-unsubs-resp-481tx%, %winfo-unsubsresp-489rx%, %winfo-unsubs-resp-489tx%, %winfo-unsubs-resp-500rx%, %winfo-unsubsresp-500tx%,%winfo-unsubs-resp-3xxrx%,%winfo-unsubs-resp-3xxtx%,%winfo-unsubsresp-4xxrx%,%winfo-unsubs-resp-4xxtx%,%winfo-unsubs-resp-5xxrx%,%winfo-unsubsresp-5xxtx%, %winfo-unsubs-resp-6xxrx%, %winfo-unsubs-resp-6xxtx%, %winfo-notifyattrx%,%winfo-notify-atttx%,%winfo-notify-succrx%,%winfo-notify-succtx%,%winfonotify-failrx%, %winfo-notify-failtx%, %winfo-notify-resp-3xxrx%, %winfo-notifyresp-3xxtx%, %winfo-notify-resp-400rx%, %winfo-notify-resp-400tx%, %winfo-notifyresp-481rx%, %winfo-notify-resp-481tx%, %winfo-notify-resp-489rx%, %winfo-notifyresp-489tx%, %winfo-notify-resp-4xxrx%, %winfo-notify-resp-4xxtx%, %winfo-notifyresp-500rx%, %winfo-notify-resp-500tx%, %winfo-notify-resp-5xxrx%, %winfo-notifyresp-5xxtx%, %winfo-notify-resp-6xxrx%, %winfo-notify-resp-6xxtx%, %winfo-pubattrx%,%winfo-pub-atttx%,%winfo-pub-succrx%,%winfo-pub-succtx%,%winfo-pubfailrx%, %winfo-pub-failtx%, %winfo-pub-resp-3xxrx%, %winfo-pub-resp-3xxtx%, %winfopub-resp-400rx%, %winfo-pub-resp-400tx%, %winfo-pub-resp-404rx%, %winfo-pub-resp-404tx%, %winfo-pub-resp-412rx%, %winfo-pub-resp-412tx%, %winfo-pub-resp-423rx%, %winfo-pub-resp-423tx%, %winfo-pub-resp-489rx%, %winfo-pub-resp-489tx%, %winfo-pub-resp-4xxrx%, %winfo-pub-resp-4xxtx%

cscf schema cscfSchC format

EMS, CSCFC, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %winfo-pub-resp-500rx%, %winfo-pub-resp-500tx%, %winfo-pub-resp-503rx%, %winfo-pub-resp-503tx%, %winfo-pub-resp-5xxrx%, %winfo-pub-resp-5xxtx%, %winfo-pub-resp-6xxrx%, %winfo-pub-resp-6xxtx%, %winfo-unpub-attrx%, %winfo-unpub-atttx%, %winfounpub-succrx%, %winfo-unpub-succtx%, %winfo-unpub-failrx%, %winfo-unpubfailtx%,%winfo-unpub-resp-3xxrx%,%winfo-unpub-resp-3xxtx%,%winfo-unpub-resp-400rx%, %winfo-unpub-resp-400tx%, %winfo-unpub-resp-404rx%, %winfo-unpub-resp-404tx%, %winfo-unpub-resp-412rx%, %winfo-unpub-resp-412tx%, %winfo-unpub-resp-423rx%, %winfo-unpub-resp-423tx%, %winfo-unpub-resp-489rx%, %winfo-unpub-resp-489tx%,%winfo-unpub-resp-4xxrx%,%winfo-unpub-resp-4xxtx%,%winfo-unpub-resp-500rx%,%winfo-unpub-resp-500tx%,%winfo-unpub-resp-503rx%,%winfo-unpub-resp-503tx%, %winfo-unpub-resp-5xxrx%, %winfo-unpub-resp-5xxtx%, %winfo-unpub-resp-6xxrx%,%winfo-unpub-resp-6xxtx%,%sigcomp-req-comp%,%sigcomp-reqdecomp%,%sigcomp-resp-comp%,%sigcomp-resp-decomp%,%sigcomp-nack-rx%,%sigcompnack-tx%,%sigcomp-comp-fail%,%sigcomp-decomp-fail%,%sigcomp-bestoutcompratio%, %sigcomp-worstout-compratio%, %sigcomp-bestin-compratio%, %sigcompworstin-compratio%,%dpeca-curr-sessions%,%dpeca-tot-sess-init%,%dpeca-tot-sessterminated%,%dpeca-tot-sess-failovers%,%dpeca-tot-msg-received%,%dpeca-tot-msgsent%,%dpeca-tot-aar-sent%,%dpeca-tot-aaa-received%,%dpeca-tot-aarisent%,%dpeca-tot-aaai-received%,%dpeca-tot-aaai-accepted%,%dpeca-tot-aaairejected%,%dpeca-tot-aaai-timeout%,%dpeca-tot-aaru-sent%,%dpeca-tot-aaaureceived%,%dpeca-tot-aaau-timeout%,%dpeca-tot-str-sent%,%dpeca-tot-stareceived%,%dpeca-tot-sta-timeout%,%dpeca-tot-asr-received%,%dpeca-tot-asa-sent% cscf schema cscfSchD format

EMS, CSCFD, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %dpeca-tot-rarreceived%,%dpeca-tot-raa-sent%,%dpeca-tot-protocol-err%,%dpeca-tot-aaa-parseerr%,%dpeca-tot-unk-sess-req%,%dpeca-tot-unk-cmd-codes%,%dpeca-tclogout%,%dpeca-tc-service-not-prov%,%dpeca-tc-bad-ans%,%dpeca-tcadministrative%,%dpeca-tc-link-broken%,%dpeca-tc-auth-expired%,%dpeca-tc-usermoved%,%dpeca-tc-session-timeout%,%dpeca-auth-rejected%,%active-imsubs%, %active-ipsec-subs%, %active-ipsec-tcp-conn%, %active-presencesubs%, %active-reg-subs%, %active-sigcomp-subs%, %active-voip-subs%, %closed-ipsectcp-conn%,%curr-ipsec-subs%,%curr-presence-subs%,%curr-reg-subs%,%curr-sigcompsubs%,%de-regs%,%dpeca-exp-res-duplicated-af-session%,%dpeca-exp-res-filterrestrictions%,%dpeca-exp-res-invalid-service-info%,%dpeca-exp-res-ipcan-sessionnot-avail%,%dpeca-exp-res-req-service-not-authorized%,%dpeca-othererrors%,%dpeca-tot-sess-failover-err%,%fail-ipsec-tcp-conn-in%,%fail-ipsec-tcpconn-out%, %fail-sec-regs%, %largerthansipmaxsize%, %message-3xx-rx%, %message-3xxtx%, %message-400-rx%, %message-400-tx%, %message-403-rx%, %message-403tx%, %message-404-rx%, %message-404-tx%, %message-415-rx%, %message-415tx%, %message-416-rx%, %message-416-tx%, %message-420-rx%, %message-420tx%, %message-421-rx%, %message-421-tx%, %message-480-rx%, %message-480tx%, %message-488-rx%, %message-488-tx%, %message-4xx-rx%, %message-4xxtx%, %message-500-rx%, %message-500-tx%, %message-513-rx%, %message-513tx%,%message-5xx-rx%,%message-5xx-tx%,%message-6xx-rx%,%message-6xxtx%, %message-attrx%, %message-atttx%, %message-failrx%, %message-failtx%, %messagesuccrx%, %message-succtx%, %req-retx%, %reqresp-retx%, %resp-retx%, %secregs%,%subdur1-2hr%,%subdur2-3hr%,%subdur3-4hr%,%subdur4-5hr%,%subdur5-6hr%, %subdur6-7hr%, %subdur7-8hr%, %subdur8-9hr%, %subdur9-10hr%,%subdur<1hr%,%subdur>10hr%

cscf schema cscfSchE format

EMS, CSCFE, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %subsetup1000-1200ms%, %subsetup11-13sec%, %subsetup1200-1400ms%, %subsetup13-15sec%, %subsetup1400-1600ms%, %subsetup15-17sec%, %subsetup1600-1800ms%,%subsetup17-19sec%,%subsetup1800-2000ms%,%subsetup19-21sec%, %subsetup200-400ms%, %subsetup2000-2200ms%, %subsetup2200-2400ms%,%subsetup2400-2600ms%,%subsetup2600-2800ms%,%subsetup2800-3000ms%, %subsetup3-5sec%, %subsetup400-600ms%, %subsetup5-7sec%, %subsetup600-800ms%, %subsetup7-9sec%, %subsetup800-1000ms%, %subsetup9-11sec%,%subsetup<200ms%,%subsetup>21sec%,%succ-ipsec-tcp-conn-in%,%succ-ipsectcp-conn-out%, %tot-sip-msgsproc%, %totalcscfsess%, %ackregretx%, %notifyregretx%, %publishregretx%, %referregret x%,%subscribereqretx%,%subscribe-attempt-rx%,%subscribe-attempt-tx%,%subscribesuccess-rx%,%subscribe-success-tx%,%subscribe-failure-rx%,%subscribe-failuretx%, %notify-attempt-rx%, %notify-attempt-tx%, %notify-success-rx%, %notify-successtx%, %notify-failure-rx%, %notify-failure-tx%, %publish-attempt-rx%, %publishattempt-tx%, %publish-success-rx%, %publish-success-tx%, %publish-failurerx%, %publish-failure-tx%, %de-regs-fromue%, %de-regs-fromnw%, %callrel-fromue%,%callrel-from-nw%,%callrel-from-radioloss%,%callrel-from-local%,%migratedtcp-conn%, %packet-tcp-rx%, %packet-tcp-tx%, %bytes-tcp-rx%, %bytes-tcptx%, %message-tcp-request-rx%, %message-tcp-request-tx%, %message-tcp-responserx%, %message-tcp-response-tx%, %message-tcp-mtu-switch%, %sigcomp-averageincompratio%, %sigcomp-averageout-compratio%, %sitserrrx%, %sitserrtx%, %dereg-resp4xxrx%,%dereg-resp-4xxtx%,%dereg-resp-5xxrx%,%dereg-resp-5xxtx%,%dereg-resp-6xxtx%

cscf schema cscfSchF format

EMS, CSCFF, %date%, %time%, %vpnid%, %svcname%, %svcid%, %reg-resp-4xxrx%,%reg-resp-4xxtx%,%reg-resp-5xxrx%,%reg-resp-5xxtx%,%reg-resp-6xxrx%,%regresp-6xxtx%,%rereg-resp-4xxrx%,%rereg-resp-4xxtx%,%rereg-resp-5xxrx%,%reregresp-5xxtx%,%rereg-resp-6xxrx%,%rereg-resp-6xxtx%,%call-resp-3xxrx%,%call-resp-3xxtx%,%call-resp-402rx%,%call-resp-402tx%,%call-resp-403rx%,%call-resp-403tx%,%call-resp-404rx%,%call-resp-404tx%,%call-resp-407rx%,%call-resp-407tx%,%call-resp-408rx%,%call-resp-408tx%,%call-resp-420rx%,%call-resp-420tx%,%call-resp-421rx%,%call-resp-421tx%,%call-resp-480rx%,%call-resp-480tx%,%call-resp-486rx%,%call-resp-486tx%,%call-resp-487rx%,%call-resp-487tx%,%call-resp-488rx%,%call-resp-488tx%,%call-resp-4xxrx%,%call-resp-4xxtx%,%call-resp-500rx%,%call-resp-500tx%,%call-resp-503rx%,%call-resp-503tx%,%call-resp-5xxrx%,%call-resp-5xxtx%,%call-resp-6xxrx%,%call-resp-6xxtx%,%total-roaming-ue-regs%,%total-roaming-ue-succ-regs%,%total-roaming-uefail-regs%,%total-roaming-ue-regs-403%,%total-roaming-ue-re-regs%,%totalroaming-ue-succ-re-regs%, %total-roaming-ue-fail-re-regs%, %total-roaming-ue-reregs-403%, %total-roaming-ue-de-regs%, %total-roaming-ue-succ-de-regs%, %totalroaming-ue-fail-de-regs%, %total-roaming-ue-de-regs-403%, %perf-att-initreg%,%perf-att-init-reg-3gpp-geran%,%perf-att-init-reg-3gpp-utran-fdd%,%perfatt-init-reg-3gpp2-1x%, %perf-att-init-reg-ieee-80211a%, %perf-att-init-reg-ieee-80211b%, %perf-att-init-reg-other-at%, %perf-succ-init-reg%, %perf-succ-init-reg-3gpp-geran%, %perf-succ-init-reg-3gpp-utran-fdd%, %perf-succ-init-reg-3gpp2-1x%, %perf-succ-init-reg-ieee-80211a%, %perf-succ-init-reg-ieee-80211b%, %perfsucc-init-reg-other%,%perf-fail-init-reg%,%perf-fail-init-reg-401%

cscf schema cscfSchG format

EMS, CSCFG, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %perf-fail-init-reg-403%, %perf-fail-init-reg-404%, %perf-fail-init-reg-420%, %perf-fail-init-reg-500%, %perf-fail-init-reg-other%, %perf-mean-init-reg-setup%, %perf-attrereg%,%perf-att-rereg-3gpp-geran%,%perf-att-rereg-3gpp-utran-fdd%,%perf-attrereg-3gpp2-1x%, %perf-att-rereg-ieee-80211a%, %perf-att-rereg-ieee-80211b%, %perfatt-rereg-other-at%, %perf-succ-rereg%, %perf-succ-rereg-3gpp-geran%, %perf-succrereg-3gpp-utran-fdd%, %perf-succ-rereg-3gpp2-1x%, %perf-succ-rereg-ieee-80211a%, %perf-succ-rereg-ieee-80211b%, %perf-succ-rereg-other%, %perf-failrereg%,%perf-fail-rereg-401%,%perf-fail-rereg-403%,%perf-fail-rereg-404%,%perffail-rereg-420%,%perf-fail-rereg-500%,%perf-fail-rereg-other%,%perf-att-deregue%, %perf-att-dereg-ue-3gpp-geran%, %perf-att-dereg-ue-3gpp-utran-fdd%, %perf-attdereg-ue-3gpp2-1x%,%perf-att-dereg-ue-ieee-80211a%,%perf-att-dereg-ue-ieee-80211b%, %perf-att-dereg-ue-other-at%, %perf-succ-dereg-ue%, %perf-succ-dereg-ue-3gpp-geran%, %perf-succ-dereg-ue-3gpp-utran-fdd%, %perf-succ-dereg-ue-3gpp2-1x%, %perf-succ-dereg-ue-ieee-80211a%, %perf-succ-dereg-ue-ieee-80211b%, %perfsucc-dereg-ue-other%, %perf-fail-dereg-ue%, %perf-fail-dereg-ue-401%, %perf-faildereg-ue-403%, %perf-fail-dereg-ue-404%, %perf-fail-dereg-ue-420%, %perf-faildereg-ue-500%, %perf-fail-dereg-ue-other%, %perf-att-dereg-hss%, %perf-succ-dereghss%,%perf-fail-dereg-hss%,%perf-fail-dereg-hss-401%,%perf-fail-dereg-hss-403%, %perf-fail-dereg-hss-404%, %perf-fail-dereg-hss-420%, %perf-fail-dereg-hss-500%, %perf-fail-dereg-hss-other%, %perf-att-dereg-serv%, %perf-succ-deregserv%,%perf-fail-dereg-serv%,%perf-fail-dereg-serv-401%,%perf-fail-dereg-serv-403%, %perf-fail-dereg-serv-404%

cscf schema cscfSchH format

EMS, CSCFH, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %perf-fail-deregserv-420%, %perf-fail-dereg-serv-500%, %perf-fail-dereg-serv-other%, %perf-attinit-3rdparty-reg%, %perf-succ-init-3rdparty-reg%, %perf-fail-init-3rdpartyreg%, %perf-fail-init-3rdparty-reg-401%, %perf-fail-init-3rdparty-reg-403%, %perffail-init-3rdparty-reg-404%,%perf-fail-init-3rdparty-reg-420%,%perf-fail-init-3rdparty-reg-500%, %perf-fail-init-3rdparty-reg-other%, %perf-att-uar%, %perf-succuaa%,%perf-fail-uaa%,%perf-att-sar%,%perf-succ-saa%,%perf-fail-saa%,%perf-attsession%, %perf-succ-session%, %perf-succ-session-180%, %perf-succ-session-200%, %perf-ans-session%, %perf-fail-session%, %perf-simul-ans-session%, %perf-attlir%, %perf-succ-lia%, %perf-fail-lia%, %perf-att-session-frm-oth-domain%, %perffrbdn-session-frm-oth-domain%,%perf-att-session-to-oth-domain%,%perf-frbdnsession-to-oth-domain%, %perf-att-init-reg-visited%, %perf-frbdn-init-regvisited%, %perf-rmg-users-out%, %perf-att-mar%, %perf-succ-maa%, %perf-failmaa%,%perf-att-ppr%,%perf-succ-ppa%,%perf-fail-ppa%,%perf-att-subscribe%,%perfsucc-subscribe%, %perf-fail-subscribe%, %perf-att-notify%, %perf-succnotify%,%perf-fail-notify%,%dpeca-tot-uncorr-sta%,%dpeca-tot-uncorr-aaa%

pdif schema pdifSch1 format

EMS, PDIF, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %bindaddress%, %state% ,%sess-curinprog%,%sess-curact%,%sess-curdorm%,%sess-cursip%,%sesscurmip%,%sess-sipattempt%,%sess-sipsuccess%,%sess-sipfail%,%sessmipattempt%,%sess-mipsuccess%,%sess-mipfail%,%sess-sipfbacksucc%,%sesssipfbacknotdone%,%sess-sipfbacknorrq%,%sess-sipfbacknotallw%,%sesssipfbacktagaddr%,%sess-sipfbackmisc%,%sess-ttlsetup%,%sess-ttlattempt%,%sessttlattemptfail%,%sess-ttlrel%,%sess-ttlrellocal%,%sess-ttlrelremote%,%sessttlsip%,%sess-ttlmip%,%sess-discbeforeconn%,%sess-discipsec%,%sessdiscadmin%, %sess-discidletimeout%, %sess-discabstimeout%, %sessdisclongdur%, %sess-discmmdtimeout%, %sess-disctysetuptimeout%, %sessdiscsesssetuptimeout%, %sess-discnonexistpcrf%, %sess-discnoresource%, %sessdiscauthfail%, %sess-discflowaddfail%, %sess-discinvdestctx%, %sessdiscsourceviol%, %sess-discmipremote%, %sess-discmiplocal%, %sessdiscdupreq%,%sess-discmacfail%,%sess-discaddrfail%,%sess-discmisc%,%sessremaining%,%sess-limit%,%mac-authreq%,%mac-authreqvalid%,%mac-authreqinv%,%macauthsucc%, %mac-authsuccmatch%, %mac-authsucchssfail%, %mac-authfail%, %macauthfaildiam%, %mac-authfailuserunk%, %mac-authfailmacnotfound%, %macauthfailmacmissing%, %mac-authfailmacmalformed%, %mac-authfailnosh%, %macauthfailother%, %eap-rxttlsrvrpassthru%, %eap-rxchalsrvrpassthru%, %eaprxsuccsrvrpassthru%, %eap-rxfailsrvrpassthru%, %eap-rxmobilepassthru%, %ipsectxpacket%,%ipsec-txoctet%,%ipsec-rxpacket%,%ipsec-rxoctet%,%sess-curpmip%,%sesspmipattempt%,%sess-pmipsuccess%,%sess-pmipfail%,%sess-ttlpmip%

ss7link schema ss7linkSch1 format

EMS, SS7LINK1, %date%, %time%, %ss7rd-number%, %ss7-linkset-id%, %ss7-link-id%, %ss7dpc-point-code%, %ss7-link-mtp3-changeover-order-tx%, %ss7-link-mtp3-changeoverorder-rx%, %ss7-link-mtp3-changeback-declaration-tx%, %ss7-link-mtp3changeback-declaration-rx%, %ss7-link-mtp3-changeback-ack-tx%, %ss7-link-mtp3changeback-declaration-rx%, %ss7-link-mtp3-changeback-ack-tx%, %ss7-link-mtp3changeback-ack-rx%, %ss7-link-mtp3-emergency-changeover-tx%, %ss7-link-mtp3emergency-changeover-rx%, %ss7-link-mtp3-emergency-changeover-ack-tx%, %ss7-link-mtp3ink-mtp3-emergency-changeover-ack-tx%, %ss7-link-mtp3inhibit-rx%, %ss7-link-mtp3-inhibit-ack-tx%, %ss7-link-mtp3link-mtp3-uninhibit-tx%,%ss7-link-mtp3-uninhibit-rx%,%ss7-link-mtp3-uninhibitack-tx%,%ss7-link-mtp3-uninhibit-ack-rx%,%ss7-link-mtp3-inhibit-deny-tx%,%ss7link-mtp3-inhibit-deny-rx%,%ss7-link-mtp3-force-uninhibit-tx%,%ss7-link-mtp3force-uninhibit-rx%,%ss7-link-mtp3-local-inhibit-test-tx%,%ss7-link-mtp3-localinhibit-test-rx%,%ss7-link-mtp3-remote-inhibit-test-tx%,%ss7-link-mtp3-remoteinhibit-test-rx%,%ss7-link-mtp3-connection-order-tx%,%ss7-link-mtp3-connectionorder-rx%,%ss7-link-mtp3-connection-order-ack-tx%,%ss7-link-mtp3-connectionorder-ack-rx%,%ss7-link-mtp3-test-tx%,%ss7-link-mtp3-test-rx%,%ss7-link-mtp3test-ack-tx%,%ss7-link-mtp3-test-ack-rx%,%ss7-link-mtp3-sif-octet-tx%,%ss7-linkmtp3-sif-octet-rx%,%ss7-link-mtp3-sio-octet-tx%,%ss7-link-mtp3-sio-octetrx%,%ss7-link-mtp3-sio-msu-tx%,%ss7-link-mtp3-sio-octetrx%,%ss7-link-mtp3-sio-msu-tx%,%ss7-link-mtp3-tx-msu-dropped%,%ss7-link-mtp3-txmsu-congestion-dropped%,%ss7-link-mtp3-invalid-pdu-rx%,%ss7-link-mtp3congestion-threshold1%,%ss7-link-mtp3-unavail-duration%,%ss7-link-mtp3congested-duration%

ss7link schema ss7linkSch2 format

EMS, SS7LINK2, %date%, %time%, %ss7rd-number%, %ss7-linkset-id%, %ss7-link-id%, %ss7dpc-point-code%, %ss7-signalling-link-failure%, %ss7-dpc-route-set-test-msgtx%,%ss7-dpc-route-set-congestion-test-msg-tx%,%ss7-dpc-transfer-prohibitedtx%,%ss7-dpc-transfer-restricted-tx%,%ss7-dpc-transfer-allowed-tx%,%ss7-dpctransfer-controlled-tx%,%ss7-dpc-sif-octets-tx%,%ss7-dpc-sio-octets-tx%,%ss7dpc-route-set-test-msg-rx%,%ss7-dpc-route-set-congestion-test-msg-rx%,%ss7-dpctransfer-prohibited-rx%,%ss7-dpc-transfer-restricted-rx%,%ss7-dpc-transferallowed-rx%,%ss7-dpc-transfer-controlled-rx%,%ss7-dpc-usn-msg-rx%,%ss7-dpcunavailable-duration%,%ss7-dpc-unavailable-count%,%ss7-link-sscf-mtp3-framestx%,%ss7-link-sscf-out-of-service-pdu-tx%,%ss7-link-sscf-processor-outagetx%,%ss7-link-sscf-in-service-pdu-tx%,%ss7-link-sscf-normal-pdu-tx%,%ss7-linksscf-emergency-pdu-tx%, %ss7-link-sscf-alignment-not-successfull-pdu-tx%, %ss7link-sscf-management-initiated-pdu-tx%,%ss7-link-sscf-protocol-error-pdutx%,%ss7-link-sscf-proving-not-successfull-pdu-tx%,%ss7-link-sscf-mtp3-framesrx%, %ss7-link-sscf-out-of-service-pdu-rx%, %ss7-link-sscf-processor-outagerx%, %ss7-link-sscf-in-service-pdu-rx%, %ss7-link-sscf-normal-pdu-rx%, %ss7-linksscf-emergency-pdu-rx%,%ss7-link-sscf-alignment-not-successfull-pdu-rx%,%ss7link-sscf-management-initiated-pdu-rx%, %ss7-link-sscf-protocol-error-pdurx%,%ss7-link-sscf-proving-not-successfull-pdu-rx%,%ss7-link-qsaal-vpi%,%ss7link-qsaal-vci%,%ss7-link-qsaal-req-initialization-tx%,%ss7-link-qsaal-req-acktx%,%ss7-link-qsaal-connection-reject-tx%,%ss7-link-qsaal-disconnect-commandtx%,%ss7-link-qsaal-disconnect-ack-tx%,%ss7-link-qsaal-resynchronizationcommand-tx%

ss7link schema ss7linkSch3 format

EMS, SS7LINK3, %date%, %time%, %ss7rd-number%, %ss7-linkset-id%, %ss7-link-id%, %ss7dpc-point-code%, %ss7-link-qsaal-resynchronization-ack-tx%, %ss7-link-qsaalrecovery-command-tx%, %ss7-link-qsaal-seq-connection-mode-data-tx%, %ss7-linkqsaal-poll-tx%, %ss7-link-qsaal-stat-tx%, %ss7-link-qsaal-ustat-tx%, %ss7-linkqsaal-unnumbered-user-data-tx%, %ss7-link-qsaal-unnumbered-management-datatx%, %ss7-link-qsaal-unknown-pdu-type-tx%, %ss7-link-qsaal-tx-discardedsdus%, %ss7-link-qsaal-tx-pdus-error-pdus%, %ss7-link-qsaal-tx-discardedpdus%, %ss7-link-qsaal-tx-buffer-in-use-counter%, %ss7-link-qsaal-tx-buffer-inuse-gauge%, %ss7-link-qsaal-req-initialization-rx%, %ss7-link-qsaal-req-ackrx%, %ss7-link-qsaal-connection-reject-rx%, %ss7-link-qsaal-disconnect-commandrx%, %ss7-link-qsaal-disconnect-ack-rx%, %ss7-link-qsaal-resynchronizationcommand-rx%, %ss7-link-qsaal-resynchronization-ack-rx%, %ss7-link-qsaal-recoverycommand-rx%, %ss7-link-qsaal-recovery-ack-rx%, %ss7-link-qsaal-seq-connectionmode-data-rx%, %ss7-link-qsaal-poll-rx%, %ss7-link-qsaal-stat-rx%, %ss7-link-qsaalustat-rx%, %ss7-link-qsaal-unnumbered-user-data-rx%, %ss7-link-qsaal-unnumberedmanagement-data-rx%, %ss7-link-qsaal-unknown-pdu-type-rx%, %ss7-link-qsaal-rxpdus-error-pdus%, %ss7-link-qsaal-rx-discarded-pdus%, %ss7-link-qsaal-rx-bufferin-use-counter%, %ss7-link-qsaal-rx-buffer-in-use-gauge%, %ss7-link-qsaalrecovery-ack-tx%, %ss7-link-mtp3-sio-msu-rx%, %ss7-link-mtp3-inhibited-duration%

gprs schema gprsSch1 format

EMS, GPRS1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %nse-id%, %ns-num-bytesrvcd%, %ns-num-bytes-sent%, %ns-num-nsvc-failed%, %ns-num-nsvc-congest%, %ns-numunit-data-msg-rcvd%, %ns-num-unit-data-msg-sent%, %ns-num-alive-pdu-rcvd%, %ns-numalive-pdu-sent%, %ns-num-alive-ack-pdu-rcvd%, %ns-num-alive-ack-pdu-sent%, %ns-numblock-pdu-rcvd%, %ns-num-block-pdu-sent%, %ns-num-block-ack-pdu-rcvd%, %ns-numblock-ack-pdu-sent%, %ns-num-unblock-pdu-rcvd%, %ns-num-unblock-pdu-sent%, %ns-numunblock-ack-pdu-rcvd%, %ns-num-unblock-ack-pdu-sent%, %ns-num-reset-pdu-rcvd%, %nsnum-reset-pdu-sent%, %ns-num-reset-ack-pdu-rcvd%, %ns-num-reset-ack-pdu-sent%, %nsnum-status-pdu-rcvd%,%ns-num-status-pdu-sent%,%num-sns-size-rcvd%,%num-sns-sizeack-sent%, %num-sns-size-fail-rcvd-unknown-nse%, %num-sns-config-rcvd%, %num-snsconfig-sent%, %num-sns-config-ack-sent%, %num-sns-config-ack-rcvd%, %sns-configfail-rcv-pdu-not-compat-state%,%sns-config-fail-sent-pdu-not-compat-state%,%snsconfig-fail-rcv-inval-ipv4-endpt%,%sns-config-fail-sent-inval-ipv4-endpt%,%snsconfig-fail-rcv-inval-ipv6-endpt%,%sns-config-fail-sent-inval-ipv6-endpt%,%snsconfig-fail-rcv-prot-err-unspec%, %sns-config-fail-sent-prot-err-unspec%, %snsconfig-fail-rcv-inval-essential-param%, %sns-config-fail-sent-inval-essentialparam%,%sns-config-fail-rcv-internal-err%,%sns-config-fail-sent-internalerr%,%sns-config-fail-rcv-inval-weight%,%sns-config-fail-sent-invalweight%,%sns-config-fail-sent-no-rsp-from-peer%,%num-sns-add-rcvd%,%num-sns-addsent%,%sns-add-fail-rcv-pdu-not-compat-state%,%sns-add-fail-sent-pdu-not-compatstate%,%sns-add-fail-rcv-inval-ipv4-endpt%,%sns-add-fail-sent-inval-ipv4endpt%,%sns-add-fail-rcv-inval-ipv6-endpt%,%sns-add-fail-sent-inval-ipv6endpt%,%sns-add-fail-rcv-prot-err-unspec%

gprs schema gprsSch2 format

EMS, GPRS2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %nse-id%, %sns-add-failsent-prot-err-unspec%,%sns-add-fail-rcv-inval-essential-param%,%sns-add-failsent-inval-essential-param%, %sns-add-fail-rcv-internal-err%, %sns-add-fail-sentinternal-err%,%sns-add-fail-rcv-inval-weight%,%sns-add-fail-sent-invalweight%,%sns-add-fail-sent-no-rsp-from-peer%,%num-sns-delete-rcvd%,%num-snsdelete-sent%, %sns-delete-fail-rcv-pdu-not-compat-state%, %sns-delete-fail-sentpdu-not-compat-state%, %sns-delete-fail-rcv-unknown-ip-endpt%, %sns-delete-failsent-unknown-ip-endpt%,%sns-delete-fail-rcv-unknown-ip-address%,%sns-deletefail-sent-unknown-ip-address%,%sns-delete-fail-rcv-prot-err-unspec%,%sns-deletefail-sent-prot-err-unspec%,%sns-delete-fail-rcv-inval-essential-param%,%snsdelete-fail-sent-inval-essential-param%, %sns-delete-fail-rcv-internal-err%, %snsdelete-fail-sent-internal-err%, %sns-delete-fail-sent-no-rsp-from-peer%, %num-snscw-rcvd%, %num-sns-cw-sent%, %sns-cw-fail-rcv-pdu-not-compat-state%, %sns-cw-failsent-pdu-not-compat-state%,%sns-cw-fail-rcv-inval-weight%,%sns-cw-fail-sentinval-weight%,%sns-cw-fail-rcv-unknown-ip-endpt%,%sns-cw-fail-sent-unknown-ipendpt%,%sns-cw-fail-rcv-unknown-ip-addr%,%sns-cw-fail-sent-unknown-ipaddr%, %sns-cw-fail-rcv-prot-err-unspec%, %sns-cw-fail-sent-prot-err-unspec%, %snscw-fail-rcv-inval-essential-param%, %sns-cw-fail-sent-inval-essentialparam%, %sns-cw-fail-rcv-internal-err%, %sns-cw-fail-sent-internal-err%, %sns-cwfail-sent-no-rsp-from-peer%, %sns-num-ack-rcvd%, %sns-num-ack-sent%, %sns-numunknown-msg%, %sns-num-status-pdu-sent%, %bssgp-total-usr-req-drop%, %bssgp-usrreq-drop-unknown-bvci%, %bssgp-usr-req-drop-blocked-bvc%, %bssgp-usr-req-dropencoding-fail%, %bssgp-usr-req-drop-bvc-flow-ctrl-rvcd%

gprs schema gprsSch3 format

EMS, GPRS3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %nse-id%, %bssgp-usr-reqdrop-bvc-flow-ctrl-ack-sent%,%bssgp-usr-req-drop-block-rvcd%,%bssgp-usr-reqdrop-block-ack-sent%,%bssgp-usr-req-drop-unblock-rcvd%,%bssgp-usr-req-dropunblock-ack-sent%,%bssgp-usr-req-drop-bvc-reset-sent%,%bssgp-usr-req-drop-bvcreset-rcvd%,%bssgp-usr-req-drop-bvc-reset-ack-sent%,%bssgp-usr-req-drop-bvcreset-ack-rcvd%,%bssgp-flush-llc-msg-sent%,%bssgp-flush-llc-ack-msgrcvd%,%bssgp-cs-paging-msg-sent%,%bssgp-ps-paging-msg-sent%,%bssgp-ra-capupdate-msg-rcvd%,%bssgp-ra-cap-update-ack-msg-sent%,%bssgp-radio-status-msgsent%, %bssgp-radio-status-msg-rcvd%, %bssgp-suspend-msg-rcvd%, %bssgp-suspend-ackmsg-sent%, %bssgp-suspend-nack-msg-sent%, %bssgp-resume-msg-rcvd%, %bssgp-resumeack-msg-sent%, %bssgp-resume-nack-msg-sent%, %bssgp-downlink-unitdatasent%,%bssgp-uplink-unitdata-rcvd%,%bssgp-llc-pdu-discard-msg-rcvd%,%bssgp-msflow-ctrl-msg-rcvd%,%bssgp-ms-flow-ctrl-ack-msg-sent%,%bssgp-bvc-status-msgrcvd%,%bssgp-bvc-status-msg-sent%,%sndcp-xid-req-ms-init%,%sndcp-xid-ind-sgsninit%,%sndcp-npdus-ack-rcvd-ms%,%sndcp-npdus-ack-sent-ms%,%sndcp-npdus-uackrcvd-ms%,%sndcp-npdus-uack-sent-ms%,%sndcp-bytes-ack-rcvd-ms%,%sndcp-bytes-acksent-ms%,%sndcp-bytes-uack-rcvd-ms%,%sndcp-bytes-uack-sent-ms%,%sndcp-pdu-droprcvd-from-llc%,%sndcp-inval-ref-num-rcvd-from-llc%,%sndcp-npdu-sent-sgsnirau%,%sndcp-npdu-rcvd-sgsn-irau%,%llc-data-req-rx%,%llc-data-cfm-tx%,%llc-dataind-tx%,%llc-data-sent-ind-tx%,%llc-unit-data-req-rx%,%llc-unit-data-indtx%,%llc-discarded-frames-rx%,%llc-discarded-frames-tx%,%llc-error-framesrx%,%llc-unrecog-frames-rx%,%llc-xid-collisions%,%llc-ciphering-errors%,%llcfcs-errors%,%llc-frame-stats-ui-rx%,%llc-frame-stats-ui-tx%,%bssgp-bvc-unknownms-status-msg-sent%

gprs schema gprsSch4 format

EMS, GPRS4, %date%, %time%, %vpnname%, %vpnid%, %servname%, %nse-id%, %bssgp-bvcunknown-ms-status-msg-rcvd%, %packets-sent-to-bsc%, %packets-rcvd-frombsc%, %bytes-sent-to-bsc%, %bytes-rcvd-from-bsc%, %llc-frame-stats-octetsrcvd%, %llc-frame-stats-octets-sent%, %llc-frame-stats-unack-frames-rcvd%, %llcframe-stats-unack-frames-sent%, %llc-frame-stats-xid-rcvd%, %llc-frame-stats-xidsent%

cscfintf schema cscfintfSch1 format

EMS, CSCFINTF, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %peeripaddr%, %peer-

domain%, %regreqrx%, %regreqtx%, %invreqrx%, %invreqtx%, %ackreqrx%, %ackreqtx%, %byere qrx%, %byereqtx%, %cancreqrx%, %cancreqtx%, %optreqrx%, %optreqtx%, %prackreqrx%, %prac kreqtx%, %subreqrx%, %subreqtx%, %notreqtx%, %notreqtx%, %refreqrx%, %refreqtx%, %infor eqrx%, %inforeqtx%, %updreqrx%, %updreqtx%, %msgreqrx%, %msgreqtx%, %pubreq tx%, %tryrsprx%, %tryrsptx%, %rngrsprx%, %rngrsptx%, %fwdrsprx%, %fwdrsptx%, %quersprx% , %quersptx%, %prgrsprx%, %prgrsptx%, %200-rsprx%, %202-rsprx%, %202-

rsptx%,%mchrsprx%,%mchrsptx%,%mpersprx%,%mpersptx%,%mtersprx%,%mtersptx%,%upxrsp rx%,%upxrsptx%,%altrsprx%,%altrsptx%,%brqerrrx%,%brqerrtx%,%uauerrrx%,%uauerrtx%

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Troubleshooting inPilot

,%prerrrx%,%prerrtx%,%forerrrx%,%forerrtx%,%nfderrrx%,%nfderrtx%,%mnaerrrx%,%mna errtx%,%nac406errrx%,%nac406errtx%,%parerrrx%,%parerrtx%,%rtoerrrx%,%rtoerrtx%,% conferrrx%,%conferrtx%,%lrerrrx%,%lrerrtx%,%gonerrrx%,%gonerrtx%,%crferrrx%,%crf errtx%,%relerrrx%,%relerrtx%,%rulerrrx%,%umterrrx%,%umterrtx%,%umterrtx%,%uuserr rx%,%uuserrtx%,%bexerrrx%,%bexerrtx%,%exrerrrx%,%exrerrtx%,%itberrrx%,%itberrtx%,%itberrtx%, %blierrrx%,%blierrtx%,%tnaerrrx%,%tnaerrtx%,%tdnerrrx%,%itberrrx%,%ldterrrx%,%l dterrtx%,%tmherrrx%,%tnaerrrx%,%adierrtx%,%amberrrx%,%amberrtx%,%bhre rrrx%,%bhrerrtx%,%rqcerrrx%,%adierrrx%,%amerrrx%,%amberrrx%,%beerrrx%,%bhre rrrx%,%trperrrx%,%rqcerrrx%,%udperrtx%,%sarerrrx%,%sarerrtx%,%sarerrx%,%ineerrrx%,%i neerrtx%,%nimerrrx%,%bgterrrx%,%bgterrtx%,%suaerrrx%,%suaerrtx%,%gtte rrrx%,%gtterrtx%,%bsverrrx%,%bsverrtx%,%mtlerrrx%,%mtlerrtx%,%nac606errr x%,%bewerrrx%,%sitserrrx%,%sitserrtx%

nat-realm schema natrealmSch1 format EMS,NATRealm,%date%,%time%,%vpnname%,%realmname%,%nat-bind-updates%,%nat-rlmbytes-tx%,%nat-rlm-flows%,%nat-rlm-ip-denied%,%nat-rlm-port-denied%,%nat-rlmttl-ips%,%nat-rlm-ips-in-use%,%nat-rlm-current-users%,%nat-rlm-ttl-portchunks%,%nat-rlm-chunks-in-use%

phspc schema phspcSch1 format EMS, PHSPC1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %peeripaddr%, %x5s mentstachareq-totsent%,%x5smentstachareq-retranssent%,%x5smentstachareqtotsendfail%, %x5smentstachareq-totrec%, %x5smentstachareqtotacc%, %x5smentstachareq-totrelay%, %x5smentstachareqtotdenied%,%x5smentstachareq-totdiscard%,%x5smentstachareqbadform%,%x5smentstachareq-decodeerr%,%x5smentstacharequnspecerr%, %x5smentstachareq-missmandtlv%, %x5smentstachareqtlvvalinval%,%x5smentstachareq-unknowntlv%,%x5smentstachareqduptlvfound%,%x5smentstachareq-nosessfound%,%x5smentstachareqadminprohib%, %x5smentstachareq-noresourcedrop%, %x5smentstachareqtransiderr%, %x5smentstacharsp-totsent%, %x5smentstacharspretranssent%,%x5smentstacharsp-totsendfail%,%x5smentstacharsptotrec%,%x5smentstacharsp-totacc%,%x5smentstacharsp-totrelay%,%x5smentstacharsptotdenied%,%x5smentstacharsp-totdiscard%,%x5smentstacharspbadform%, %x5smentstacharsp-decodeerr%, %x5smentstacharspunspecerr%,%x5smentstacharsp-missmandtlv%,%x5smentstacharsptlvvalinval%,%x5smentstacharsp-unknowntlv%,%x5smentstacharspduptlvfound%,%x5smentstacharsp-nosessfound%,%x5smentstacharspadminprohib%,%x5smentstacharsp-noresourcedrop%,%x5smentstacharsptransiderr%, %x5smentstachaack-totsent%, %x5smentstachaackretranssent%,%x5smentstachaack-totsendfail%,%x5smentstachaacktotrec%, %x5smentstachaack-totacc%, %x5smentstachaacktransiderr%, %x5smexitstachareq-totsent%, %x5smexitstachareqretranssent%,%x5smexitstachareq-totsendfail%,%x5smexitstachareqtotrec%, %x5smexitstachareq-totacc%, %x5smexitstachareqtotrelay%,%x5smexitstachareq-totdenied%,%x5smexitstachareqtotdiscard%, %x5smexitstachareq-badform%, %x5smexitstachareqdecodeerr%, %x5smexitstachareq-unspecerr%, %x5smexitstachareqmissmandtlv%,%x5smexitstachareq-tlvvalinval%

phspc schema phspcSch2 format EMS,PHSPC2,%date%,%time%,%vpnname%,%vpnid%,%servname%,%servid%,%x5smexitstachare

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q-unknowntlv%,%x5smexitstachareq-duptlvfound%,%x5smexitstachareqnosessfound%, %x5smexitstachareq-adminprohib%, %x5smexitstachareqnoresourcedrop%, %x5smexitstachareq-transiderr%, %x5smexitstacharsptotsent%,%x5smexitstacharsp-retranssent%,%x5smexitstacharsptotsendfail%, %x5smexitstacharsp-totrec%, %x5smexitstacharsptotacc%, %x5smexitstacharsp-totrelay%, %x5smexitstacharsptotdenied%,%x5smexitstacharsp-totdiscard%,%x5smexitstacharspbadform%, %x5smexitstacharsp-decodeerr%, %x5smexitstacharspunspecerr%, %x5smexitstacharsp-missmandtlv%, %x5smexitstacharsptlvvalinval%, %x5smexitstacharsp-unknowntlv%, %x5smexitstacharspduptlvfound%,%x5smexitstacharsp-nosessfound%,%x5smexitstacharspadminprohib%,%x5smexitstacharsp-noresourcedrop%,%x5smexitstacharsptransiderr%, %x5locregreq-totsent%, %x5locregreq-retranssent%, %x5locregreqtotsendfail%, %x5locregreq-totrec%, %x5locregreq-totacc%, %x5locregreqtotrelay%, %x5locregreq-totdenied%, %x5locregreq-totdiscard%, %x5locregreqbadform%, %x5locregreg-decodeerr%, %x5locregreg-unspecerr%, %x5locregregmissmandtlv%,%x5locregreq-tlvvalinval%,%x5locregreq-unknowntlv%,%x5locregreqduptlvfound%, %x5locregreg-nosessfound%, %x5locregreg-adminprohib%, %x5locregregnoresourcedrop%, %x5locregreq-transiderr%, %x5locregrsp-totsent%, %x5locregrspretranssent%, %x5locregrsp-totsendfail%, %x5locregrsp-totrec%, %x5locregrsptotacc%, %x5locregrsp-totrelay%, %x5locregrsp-totdenied%, %x5locregrsptotdiscard%, %x5locregrsp-badform%, %x5locregrsp-decodeerr%, %x5locregrspunspecerr%, %x5locregrsp-missmandtlv%, %x5locregrsp-tlvvalinval%, %x5locregrspunknowntlv%,%x5locregrsp-duptlvfound%,%x5locregrsp-nosessfound%,%x5locregrspadminprohib%, %x5locregrsp-noresourcedrop%, %x5locregrsp-transiderr%

phspc schema phspcSch3 format

EMS, PHSPC3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x5locregacktotsent%,%x5locregack-retranssent%,%x5locregack-totsendfail%,%x5locregacktotrec%, %x5locregack-totacc%, %x5locregack-totrelay%, %x5locregacktotdenied%,%x5locregack-totdiscard%,%x5locregack-badform%,%x5locregackdecodeerr%, %x5locregack-unspecerr%, %x5locregack-missmandtlv%, %x5locregacktlvvalinval%,%x5locregack-unknowntlv%,%x5locregack-duptlvfound%,%x5locregacknosessfound%, %x5locregack-adminprohib%, %x5locregacknoresourcedrop%, %x5locregack-transiderr%, %x5pagannouce-totsent%, %x5pagannouceretranssent%, %x5pagannouce-totsendfail%, %x5pagannouce-totrec%, %x5pagannoucetotacc%, %x5pagannouce-totrelay%, %x5pagannouce-totdenied%, %x5pagannoucetotdiscard%, %x5pagannouce-badform%, %x5pagannouce-decodeerr%, %x5pagannouceunspecerr%, %x5pagannouce-missmandtlv%, %x5pagannouce-tlvvalinval%, %x5pagannouceunknowntlv%,%x5pagannouce-duptlvfound%,%x5pagannouce-nosessfound%,%x5pagannouceadminprohib%, %x5pagannouce-noresourcedrop%, %x5pagannouce-transiderr%, %x5unknowntotrec%, %x5unknown-totacc%, %x5unknown-totrelay%, %x5unknowntotdenied%, %x5unknown-totdiscard%, %x5unknown-badform%, %x5unknowndecodeerr%, %x5unknown-unspecerr%, %x5unknown-missmandtlv%, %x5unknowntlvvalinval%,%x5unknown-unknowntlv%,%x5unknown-duptlvfound%,%x5unknownnosessfound%,%x5unknown-adminprohib%,%x5unknown-noresourcedrop%,%x5unknowntransiderr%,%x6smentstachareq-nosessfound%,%x6smentstachareqadminprohib%, %x6smentstachareq-noresourcedrop%, %x6smentstachareqtransiderr%, %x6smentstacharsp-totsent%, %x6smentstacharspretranssent%,%x6smentstacharsp-totsendfail%,%x6smentstacharsptotrec%,%x6smentstacharsp-totacc%,%x6smentstacharsp-totrelay%,%x6smentstacharsptotdenied%,%x6smentstacharsp-totdiscard%,%x6smentstacharsp-badform%

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phspc schema phspcSch4 format

EMS, PHSPC4, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6smentstacharsp -decodeerr%,%x6smentstacharsp-unspecerr%,%x6smentstacharspmissmandtlv%,%x6smentstacharsp-tlvvalinval%,%x6smentstacharspunknowntlv%,%x6smentstacharsp-duptlvfound%,%x6smentstacharspnosessfound%,%x6smentstacharsp-adminprohib%,%x6smentstacharspnoresourcedrop%, %x6smentstacharsp-transiderr%, %x6smentstachaacktotsent%,%x6smentstachaack-retranssent%,%x6smentstachaacktotsendfail%,%x6smentstachaack-totrec%,%x6smentstachaacktotacc%, %x6smentstachaack-totrelay%, %x6smentstachaacktotdenied%,%x6smentstachaack-totdiscard%,%x6smentstachaackbadform%,%x6smentstachaack-decodeerr%,%x6smentstachaackunspecerr%, %x6smentstachaack-missmandtlv%, %x6smentstachaacktlvvalinval%,%x6smentstachaack-unknowntlv%,%x6smentstachaackduptlvfound%,%x6smentstachaack-nosessfound%,%x6smentstachaackadminprohib%, %x6smentstachaack-noresourcedrop%, %x6smentstachaacktransiderr%, %x6smexitstachareq-totsent%, %x6smexitstachareqretranssent%, %x6smexitstachareq-totsendfail%, %x6smexitstachareqtotrec%, %x6smexitstachareq-totacc%, %x6smexitstachareqtotrelay%,%x6smexitstachareq-totdenied%,%x6smexitstachareqtotdiscard%,%x6smexitstachareq-badform%,%x6smexitstachareqdecodeerr%, %x6smexitstachareq-unspecerr%, %x6smexitstachareqmissmandtlv%,%x6smexitstachareq-tlvvalinval%,%x6smexitstacharequnknowntlv%,%x6smexitstachareq-duptlvfound%,%x6smexitstachareqnosessfound%, %x6smexitstachareq-adminprohib%, %x6smexitstachareqnoresourcedrop%, %x6smexitstachareq-transiderr%, %x6smexitstacharsptotsent%,%x6smexitstacharsp-retranssent%,%x6smexitstacharsptotsendfail%,%x6smexitstacharsp-totrec%,%x6smexitstacharsptotacc%, %x6smexitstacharsp-totrelay%, %x6smexitstacharsptotdenied%,%x6smexitstacharsp-totdiscard%

phspc schema phspcSch5 format

EMS, PHSPC5, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6smexitstachars p-badform%, %x6smexitstacharsp-decodeerr%, %x6smexitstacharspunspecerr%, %x6smexitstacharsp-missmandtlv%, %x6smexitstacharsptlvvalinval%,%x6smexitstacharsp-unknowntlv%,%x6smexitstacharspduptlvfound%,%x6smexitstacharsp-nosessfound%,%x6smexitstacharspadminprohib%, %x6smexitstacharsp-noresourcedrop%, %x6smexitstacharsptransiderr%, %x6inipagreq-totsent%, %x6inipagreq-retranssent%, %x6inipagreqtotsendfail%, %x6inipagreq-totrec%, %x6inipagreq-totacc%, %x6inipagreqtotrelay%, %x6inipagreq-totdenied%, %x6inipagreq-totdiscard%, %x6inipagreqbadform%, %x6inipagreq-decodeerr%, %x6inipagreq-unspecerr%, %x6inipagreqmissmandtlv%,%x6inipagreq-tlvvalinval%,%x6inipagreq-unknowntlv%,%x6inipagreqduptlvfound%,%x6inipagreq-nosessfound%,%x6inipagreq-adminprohib%,%x6inipagreqnoresourcedrop%, %x6inipagreq-transiderr%, %x6inipagrsp-totsent%, %x6inipagrspretranssent%, %x6inipagrsp-totsendfail%, %x6inipagrsp-totrec%, %x6inipagrsptotacc%, %x6inipagrsp-totrelay%, %x6inipagrsp-totdenied%, %x6inipagrsptotdiscard%, %x6inipagrsp-badform%, %x6inipagrsp-decodeerr%, %x6inipagrspunspecerr%, %x6inipagrsp-missmandtlv%, %x6inipagrsp-tlvvalinval%, %x6inipagrspunknowntlv%,%x6inipagrsp-duptlvfound%,%x6inipagrsp-nosessfound%,%x6inipagrspadminprohib%, %x6inipagrsp-noresourcedrop%, %x6inipagrsptransiderr%,%x6nwexitmsstachareq-totsent%,%x6nwexitmsstachareqretranssent%, %x6nwexitmsstachareq-totsendfail%, %x6nwexitmsstachareqtotrec%, %x6nwexitmsstachareq-totacc%, %x6nwexitmsstachareqtotrelay%, %x6nwexitmsstachareq-totdenied%, %x6nwexitmsstachareqtotdiscard%, %x6nwexitmsstachareq-badform%, %x6nwexitmsstachareqdecodeerr%, %x6nwexitmsstachareq-unspecerr%, %x6nwexitmsstachareqmissmandtlv%, %x6nwexitmsstachareq-tlvvalinval%

phspc schema phspcSch6 format

EMS, PHSPC6, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6nwexitmsstacha req-unknowntlv%,%x6nwexitmsstachareq-duptlvfound%,%x6nwexitmsstachareqnosessfound%,%x6nwexitmsstachareq-adminprohib%,%x6nwexitmsstachareqnoresourcedrop%, %x6nwexitmsstachareq-transiderr%, %x6nwexitmsstacharsptotsent%,%x6nwexitmsstacharsp-retranssent%,%x6nwexitmsstacharsptotsendfail%,%x6nwexitmsstacharsp-totrec%,%x6nwexitmsstacharsptotacc%,%x6nwexitmsstacharsp-totrelay%,%x6nwexitmsstacharsptotdenied%,%x6nwexitmsstacharsp-totdiscard%,%x6nwexitmsstacharspbadform%,%x6nwexitmsstacharsp-decodeerr%,%x6nwexitmsstacharspunspecerr%, %x6nwexitmsstacharsp-missmandtlv%, %x6nwexitmsstacharsptlvvalinval%,%x6nwexitmsstacharsp-unknowntlv%,%x6nwexitmsstacharspduptlvfound%, %x6nwexitmsstacharsp-nosessfound%, %x6nwexitmsstacharspadminprohib%,%x6nwexitmsstacharsp-noresourcedrop%,%x6nwexitmsstacharsptransiderr%,%x6delmsentreq-totsent%,%x6delmsentreq-retranssent%,%x6delmsentreqtotsendfail%,%x6delmsentreq-totrec%,%x6delmsentreq-totacc%,%x6delmsentreqtotrelay%, %x6delmsentreq-totdenied%, %x6delmsentreq-totdiscard%, %x6delmsentreqbadform%, %x6delmsentreq-decodeerr%, %x6delmsentreq-unspecerr%, %x6delmsentreqmissmandtlv%,%x6delmsentreq-tlvvalinval%,%x6delmsentrequnknowntlv%, %x6delmsentreq-duptlvfound%, %x6delmsentreqnosessfound%, %x6delmsentreq-adminprohib%, %x6delmsentreqnoresourcedrop%, %x6delmsentreq-transiderr%, %x6delmsentrsptotsent%,%x6delmsentrsp-retranssent%,%x6delmsentrsp-totsendfail%,%x6delmsentrsptotrec%,%x6delmsentrsp-totacc%,%x6delmsentrsp-totrelay%,%x6delmsentrsptotdenied%, %x6delmsentrsp-totdiscard%, %x6delmsentrsp-badform%, %x6delmsentrspdecodeerr%,%x6delmsentrsp-unspecerr%,%x6delmsentrsp-missmandtlv%,%x6delmsentrsptlvvalinval%, %x6delmsentrsp-unknowntlv%

phspc schema phspcSch7 format

EMS, PHSPC7, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6delmsentrspduptlvfound%,%x6delmsentrsp-nosessfound%,%x6delmsentrspadminprohib%, %x6delmsentrsp-noresourcedrop%, %x6delmsentrsptransiderr%,%x6anchorpcind-totsent%,%x6anchorpcind-retranssent%,%x6anchorpcindtotsendfail%,%x6anchorpcind-totrec%,%x6anchorpcind-totacc%,%x6anchorpcindtotrelay%,%x6anchorpcind-totdenied%,%x6anchorpcind-totdiscard%,%x6anchorpcindbadform%, %x6anchorpcind-decodeerr%, %x6anchorpcind-unspecerr%, %x6anchorpcindmissmandtlv%,%x6anchorpcind-tlvvalinval%,%x6anchorpcindunknowntlv%,%x6anchorpcind-duptlvfound%,%x6anchorpcindnosessfound%,%x6anchorpcind-adminprohib%,%x6anchorpcindnoresourcedrop%,%x6anchorpcind-transiderr%,%x6anchorpcacktotsent%,%x6anchorpcack-retranssent%,%x6anchorpcack-totsendfail%,%x6anchorpcacktotrec%,%x6anchorpcack-totacc%,%x6anchorpcack-totrelay%,%x6anchorpcacktotdenied%, %x6anchorpcack-totdiscard%, %x6anchorpcack-badform%, %x6anchorpcackdecodeerr%,%x6anchorpcack-unspecerr%,%x6anchorpcack-missmandtlv%,%x6anchorpcacktlvvalinval%,%x6anchorpcack-unknowntlv%,%x6anchorpcack-

Cisco ASR 5000 Series inPilot Installation and Administration Guide

duptlvfound%,%x6anchorpcack-nosessfound%,%x6anchorpcackadminprohib%,%x6anchorpcack-noresourcedrop%,%x6anchorpcacktransiderr%,%x6unknown-totrec%,%x6unknown-totacc%,%x6unknowntotrelay%,%x6unknown-totdenied%,%x6unknown-totdiscard%,%x6unknownbadform%,%x6unknown-decodeerr%,%x6unknown-unspecerr%,%x6unknownmissmandtlv%,%x6unknown-tlvvalinval%,%x6unknown-unknowntlv%,%x6unknownduptlvfound%,%x6unknown-nosessfound%,%x6unknown-adminprohib%,%x6unknownnoresourcedrop%,%x6unknown-transiderr%,%x5smentstachareqcongestion%,%x5locregreq-congestion%,%x6smentstachareqtotsent%,%x6smentstachareq-retranssent%,%x6smentstachareqtotsendfail%,%x6smentstachareq-totrec%,%x6smentstachareq-totacc%

phspc schema phspcSch8 format

EMS, PHSPC8, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6smentstachareq -totrelay%, %x6smentstachareq-totdenied%, %x6smentstachareqtotdiscard%, %x6smentstachareq-badform%, %x6smentstachareqdecodeerr%,%x6smentstachareq-unspecerr%,%x6smentstachareqmissmandtlv%,%x6smentstachareq-tlvvalinval%,%x6smentstacharequnknowntlv%,%x6smentstachareq-duptlvfound%,%x6contextreq-totsent%,%x6contextreqretranssent%, %x6contextreq-totsendfail%, %x6contextreq-totrec%, %x6contextreqtotacc%,%x6contextreq-totrelay%,%x6contextreq-totdenied%,%x6contextreqtotdiscard%,%x6contextreq-badform%,%x6contextreq-decodeerr%,%x6contextrequnspecerr%, %x6contextreq-missmandtlv%, %x6contextreq-tlvvalinval%, %x6contextrequnknowntlv%,%x6contextreq-duptlvfound%,%x6contextreq-nosessfound%,%x6contextreqadminprohib%, %x6contextreq-noresourcedrop%, %x6contextreqtransiderr%, %x6contextrepo-totsent%, %x6contextrepo-retranssent%, %x6contextrepototsendfail%, %x6contextrepo-totrec%, %x6contextrepo-totacc%, %x6contextrepototrelay%, %x6contextrepo-totdenied%, %x6contextrepo-totdiscard%, %x6contextrepobadform%, %x6contextrepo-decodeerr%, %x6contextrepo-unspecerr%, %x6contextrepomissmandtlv%,%x6contextrepo-tlvvalinval%,%x6contextrepounknowntlv%,%x6contextrepo-duptlvfound%,%x6contextreponosessfound%,%x6contextrepo-adminprohib%,%x6contextreponoresourcedrop%,%x6contextrepo-transiderr%,%x5smentstachaackadminprohib%, %x5smentstachaack-badform%, %x5smentstachaackdecodeerr%, %x5smentstachaack-duptlvfound%, %x5smentstachaackmissmandtlv%,%x5smentstachaack-noresourcedrop%,%x5smentstachaacknosessfound%,%x5smentstachaack-tlvvalinval%,%x5smentstachaacktotdenied%,%x5smentstachaack-totdiscard%,%x5smentstachaacktotrelay%, %x5smentstachaack-unknowntlv%, %x5smentstachaack-unspecerr%, %totalsessions-connected%

phsgw schema phsgw1 format

EMS, PHSGW1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1mspreattreqtotsent%, %x1mspreattreq-retranssent%, %x1mspreattreq-totsendfail%, %x1mspreattreqtotrec%, %x1mspreattreq-totdiscard%, %x1mspreattreq-badform%, %x1mspreattreqdecodeerr%, %x1mspreattreq-unspecerr%, %x1mspreattreq-missmandtlv%, %x1mspreattreqtlvvalinval%, %x1mspreattreq-unknowntlv%, %x1mspreattreqduptlvfound%, %x1mspreattreq-nosessfound%, %x1mspreattreqadminprohib%, %x1mspreattreq-noresourcedrop%, %x1mspreattreqtransiderr%, %x1mspreattrsp-totsent%, %x1mspreattrsp-retranssent%, %x1mspreattrsptotsendfail%, %x1mspreattrsp-totrec%, %x1mspreattrsp-totacc%, %x1mspreattrsptotrelay%, %x1mspreattrsp-totdenied%, %x1mspreattrsp-totdiscard%, %x1mspreattrspbadform%, %x1mspreattrsp-decodeerr%, %x1mspreattrsp-unspecerr%, %x1mspreattrspmissmandtlv%,%x1mspreattrsp-tlvvalinval%,%x1mspreattrspunknowntlv%,%x1mspreattrsp-duptlvfound%,%x1mspreattrspnosessfound%,%x1mspreattrsp-adminprohib%,%x1mspreattrspnoresourcedrop%,%x1mspreattrsp-transiderr%,%x1mspreattacktotsent%,%x1mspreattack-retranssent%,%x1mspreattack-totsendfail%,%x1mspreattacktotrec%,%x1mspreattack-totacc%,%x1mspreattack-totrelay%,%x1mspreattacktotdenied%,%x1mspreattack-totdiscard%,%x1mspreattack-badform%,%x1mspreattackdecodeerr%, %x1mspreattack-unspecerr%, %x1mspreattack-missmandtlv%, %x1mspreattacktlvvalinval%,%x1mspreattack-unknowntlv%,%x1mspreattackduptlvfound%,%x1mspreattack-nosessfound%,%x1mspreattackadminprohib%,%x1mspreattack-noresourcedrop%,%x1mspreattacktransiderr%,%x1nwexitmsstachareq-totsent%,%x1nwexitmsstachareqretranssent%,%x1nwexitmsstachareq-totsendfail%,%x1nwexitmsstachareqtotrec%, %x1nwexitmsstachareq-totacc%, %x1nwexitmsstachareq-totrelay%

phsgw schema phsgw2 format

EMS, PHSGW2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1nwexitmsstacha req-totdenied%,%x1nwexitmsstachareq-totdiscard%,%x1nwexitmsstachareqbadform%, %x1nwexitmsstachareq-decodeerr%, %x1nwexitmsstacharequnspecerr%, %x1nwexitmsstachareq-missmandtlv%, %x1nwexitmsstachareqtlvvalinval%,%x1nwexitmsstachareq-unknowntlv%,%x1nwexitmsstachareqduptlvfound%, %x1nwexitmsstachareq-nosessfound%, %x1nwexitmsstachareqadminprohib%,%x1nwexitmsstachareq-noresourcedrop%,%x1nwexitmsstachareqtransiderr%,%x1nwexitmsstacharsp-totsent%,%x1nwexitmsstacharspretranssent%,%x1nwexitmsstacharsp-totsendfail%,%x1nwexitmsstacharsptotrec%, %x1nwexitmsstacharsp-totacc%, %x1nwexitmsstacharsptotrelay%,%x1nwexitmsstacharsp-totdenied%,%x1nwexitmsstacharsptotdiscard%,%x1nwexitmsstacharsp-badform%,%x1nwexitmsstacharspdecodeerr%, %x1nwexitmsstacharsp-unspecerr%, %x1nwexitmsstacharspmissmandtlv%,%x1nwexitmsstacharsp-tlvvalinval%,%x1nwexitmsstacharspunknowntlv%,%x1nwexitmsstacharsp-duptlvfound%,%x1nwexitmsstacharspnosessfound%, %x1nwexitmsstacharsp-adminprohib%, %x1nwexitmsstacharspnoresourcedrop%, %x1nwexitmsstacharsp-transiderr%, %x1autheaptratotsent%,%x1autheaptra-retranssent%,%x1autheaptra-totsendfail%,%x1autheaptratotrec%, %x1autheaptra-totacc%, %x1autheaptra-totrelay%, %x1autheaptratotdenied%, %x1autheaptra-totdiscard%, %x1autheaptra-badform%, %x1autheaptradecodeerr%, %x1autheaptra-unspecerr%, %x1autheaptra-missmandtlv%, %x1autheaptratlvvalinval%,%x1autheaptra-unknowntlv%,%x1autheaptra-duptlvfound%,%x1autheaptranosessfound%, %x1autheaptra-adminprohib%, %x1autheaptranoresourcedrop%, %x1autheaptra-transiderr%, %x1autheapsta-totrec%, %x1autheapstatotacc%, %x1autheapsta-totrelay%, %x1autheapsta-totdenied%, %x1autheapstatotdiscard%, %x1autheapsta-badform%, %x1autheapsta-decodeerr%

phsgw schema phsgw3 format

EMS, PHSGW3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1autheapstaunspecerr%, %x1autheapsta-missmandtlv%, %x1autheapsta-tlvvalinval%, %x1autheapstaunknowntlv%, %x1autheapsta-duptlvfound%, %x1autheapsta-nosessfound%, %x1autheapstaadminprohib%, %x1autheapsta-noresourcedrop%, %x1autheapstatransiderr%, %x1msattreq-totsent%, %x1msattreq-retranssent%, %x1msattreqtotsendfail%, %x1msattreq-totrec%, %x1msattreq-totacc%, %x1msattreq-

totrelay%, %x1msattreq-totdenied%, %x1msattreq-totdiscard%, %x1msattreqbadform%, %x1msattreq-decodeerr%, %x1msattreq-unspecerr%, %x1msattreqmissmandtlv%,%x1msattreq-tlvvalinval%,%x1msattreq-unknowntlv%,%x1msattreqduptlvfound%,%x1msattreq-nosessfound%,%x1msattreq-adminprohib%,%x1msattreqnoresourcedrop%, %x1msattreq-transiderr%, %x1msattrsp-totsent%, %x1msattrspretranssent%,%x1msattrsp-totsendfail%,%x1msattrsp-totrec%,%x1msattrsptotacc%,%x1msattrsp-totrelay%,%x1msattrsp-totdenied%,%x1msattrsptotdiscard%, %x1msattrsp-badform%, %x1msattrsp-decodeerr%, %x1msattrspunspecerr%, %x1msattrsp-missmandtlv%, %x1msattrsp-tlvvalinval%, %x1msattrspunknowntlv%, %x1msattrsp-duptlvfound%, %x1msattrsp-nosessfound%, %x1msattrspadminprohib%, %x1msattrsp-noresourcedrop%, %x1msattrsp-transiderr%, %x1msattacktotsent%,%x1msattack-retranssent%,%x1msattack-totsendfail%,%x1msattacktotrec%,%x1msattack-totacc%,%x1msattack-totrelay%,%x1msattacktotdenied%,%x1msattack-totdiscard%,%x1msattack-badform%,%x1msattackdecodeerr%, %x1msattack-unspecerr%, %x1msattack-missmandtlv%, %x1msattacktlvvalinval%, %x1msattack-unknowntlv%, %x1msattack-duptlvfound%, %x1msattacknosessfound%, %x1msattack-adminprohib%, %x1msattack-noresourcedrop%, %x1msattacktransiderr%, %x1datapathpreregreq-totsent%, %x1datapathpreregreqretranssent%, %x1datapathpreregreq-totsendfail%, %x1datapathpreregreq-totrec%

phsgw schema phsgw4 format

EMS, PHSGW4, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1datapathprereg req-totacc%, %x1datapathpreregreq-totrelay%, %x1datapathpreregreqtotdenied%,%x1datapathpreregreq-totdiscard%,%x1datapathpreregreqbadform%, %x1datapathpreregreq-decodeerr%, %x1datapathpreregrequnspecerr%, %x1datapathpreregreq-missmandtlv%, %x1datapathpreregreqtlvvalinval%,%x1datapathpreregreq-unknowntlv%,%x1datapathpreregreqduptlvfound%,%x1datapathpreregreq-nosessfound%,%x1datapathpreregreqadminprohib%, %x1datapathpreregreq-noresourcedrop%, %x1datapathpreregreqtransiderr%,%x1datapathpreregrsp-totsent%,%x1datapathpreregrspretranssent%, %x1datapathpreregrsp-totsendfail%, %x1datapathpreregrsptotrec%,%x1datapathpreregrsp-totacc%,%x1datapathpreregrsptotrelay%,%x1datapathpreregrsp-totdenied%,%x1datapathpreregrsptotdiscard%, %x1datapathpreregrsp-badform%, %x1datapathpreregrspdecodeerr%, %x1datapathpreregrsp-unspecerr%, %x1datapathpreregrspmissmandtlv%,%x1datapathpreregrsp-tlvvalinval%,%x1datapathpreregrspunknowntlv%,%x1datapathpreregrsp-duptlvfound%,%x1datapathpreregrspnosessfound%, %x1datapathpreregrsp-adminprohib%, %x1datapathpreregrspnoresourcedrop%, %x1datapathpreregrsp-transiderr%, %x1datapathpreregacktotsent%,%x1datapathpreregack-retranssent%,%x1datapathpreregacktotsendfail%, %x1datapathpreregack-totrec%, %x1datapathpreregacktotacc%,%x1datapathpreregack-totrelay%,%x1datapathpreregacktotdenied%,%x1datapathpreregack-totdiscard%,%x1datapathpreregackbadform%,%x1datapathpreregack-decodeerr%,%x1datapathpreregackunspecerr%, %x1datapathpreregack-missmandtlv%, %x1datapathpreregacktlvvalinval%,%x1datapathpreregack-unknowntlv%,%x1datapathpreregackduptlvfound%,%x1datapathpreregack-nosessfound%,%x1datapathpreregackadminprohib%,%x1datapathpreregack-noresourcedrop%

phsgw schema phsgw5 format

EMS, PHSGW5, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1datapathprereg ack-transiderr%, %x1datapathregreq-totsent%, %x1datapathregreq-

retranssent%, %x1datapathregreq-totsendfail%, %x1datapathregreqtotrec%, %x1datapathregreq-totacc%, %x1datapathregreq-totrelay%, %x1datapathregreqtotdenied%,%x1datapathregreq-totdiscard%,%x1datapathregreqbadform%, %x1datapathregreq-decodeerr%, %x1datapathregrequnspecerr%, %x1datapathregreq-missmandtlv%, %x1datapathregreqtlvvalinval%, %x1datapathregreq-unknowntlv%, %x1datapathregreqduptlvfound%,%x1datapathregreq-nosessfound%,%x1datapathregreqadminprohib%, %x1datapathregreq-noresourcedrop%, %x1datapathregreqtransiderr%, %x1datapathregrsp-totsent%, %x1datapathregrspretranssent%,%x1datapathregrsp-totsendfail%,%x1datapathregrsptotrec%, %x1datapathregrsp-totacc%, %x1datapathregrsp-totrelay%, %x1datapathregrsptotdenied%,%x1datapathregrsp-totdiscard%,%x1datapathregrspbadform%, %x1datapathregrsp-decodeerr%, %x1datapathregrspunspecerr%, %x1datapathregrsp-missmandtlv%, %x1datapathregrsptlvvalinval%,%x1datapathregrsp-unknowntlv%,%x1datapathregrspduptlvfound%,%x1datapathregrsp-nosessfound%,%x1datapathregrspadminprohib%, %x1datapathregrsp-noresourcedrop%, %x1datapathregrsptransiderr%,%x1datapathregack-totsent%,%x1datapathregackretranssent%, %x1datapathregack-totsendfail%, %x1datapathregacktotrec%,%x1datapathregack-totacc%,%x1datapathregack-totrelay%,%x1datapathregacktotdenied%,%x1datapathregack-totdiscard%,%x1datapathregackbadform%, %x1datapathregack-decodeerr%, %x1datapathregackunspecerr%, %x1datapathregack-missmandtlv%, %x1datapathregacktlvvalinval%,%x1datapathregack-unknowntlv%,%x1datapathregackduptlvfound%,%x1datapathregack-nosessfound%,%x1datapathregackadminprohib%, %x1datapathregack-noresourcedrop%, %x1datapathregack-transiderr%

phsgw schema phsgw6 format

EMS, PHSGW6, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1datapathderegr eq-totsent%,%x1datapathderegreq-retranssent%,%x1datapathderegreqtotsendfail%, %x1datapathderegreq-totrec%, %x1datapathderegreqtotacc%,%x1datapathderegreq-totrelay%,%x1datapathderegreqtotdenied%,%x1datapathderegreq-totdiscard%,%x1datapathderegreqbadform%, %x1datapathderegreq-decodeerr%, %x1datapathderegrequnspecerr%, %x1datapathderegreq-missmandtlv%, %x1datapathderegreqtlvvalinval%, %x1datapathderegreq-unknowntlv%, %x1datapathderegreqduptlvfound%,%x1datapathderegreq-nosessfound%,%x1datapathderegreqadminprohib%, %x1datapathderegreq-noresourcedrop%, %x1datapathderegreqtransiderr%, %x1datapathderegrsp-totsent%, %x1datapathderegrspretranssent%, %x1datapathderegrsp-totsendfail%, %x1datapathderegrsptotrec%, %x1datapathderegrsp-totacc%, %x1datapathderegrsptotrelay%,%x1datapathderegrsp-totdenied%,%x1datapathderegrsptotdiscard%, %x1datapathderegrsp-badform%, %x1datapathderegrspdecodeerr%,%x1datapathderegrsp-unspecerr%,%x1datapathderegrspmissmandtlv%,%x1datapathderegrsp-tlvvalinval%,%x1datapathderegrspunknowntlv%,%x1datapathderegrsp-duptlvfound%,%x1datapathderegrspnosessfound%,%x1datapathderegrsp-adminprohib%,%x1datapathderegrspnoresourcedrop%, %x1datapathderegrsp-transiderr%, %x1keychadirtotsent%,%x1keychadir-retranssent%,%x1keychadir-totsendfail%,%x1keychadirtotrec%,%x1keychadir-totacc%,%x1keychadir-totrelay%,%x1keychadirtotdenied%, %x1keychadir-totdiscard%, %x1keychadir-badform%, %x1keychadirdecodeerr%,%x1keychadir-unspecerr%,%x1keychadir-missmandtlv%,%x1keychadirtlvvalinval%,%x1keychadir-unknowntlv%,%x1keychadir-duptlvfound%,%x1keychadirnosessfound%,%x1keychadir-adminprohib%,%x1keychadirnoresourcedrop%,%x1keychadir-transiderr%,%x1keychaack-totsent%,%x1keychaackretranssent%

phsgw schema phsgw7 format

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phsgw schema phsgw8 format

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phsgw schema phsgw9 format

EMS, PHSGW9, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6nwexitmsstacha req-unknowntlv%,%x6nwexitmsstachareq-duptlvfound%,%x6nwexitmsstachareqnosessfound%,%x6nwexitmsstachareq-adminprohib%,%x6nwexitmsstachareqnoresourcedrop%, %x6nwexitmsstachareq-transiderr%, %x6nwexitmsstacharsptotsent%,%x6nwexitmsstacharsp-retranssent%,%x6nwexitmsstacharsptotsendfail%,%x6nwexitmsstacharsp-totrec%,%x6nwexitmsstacharsptotacc%,%x6nwexitmsstacharsp-totrelay%,%x6nwexitmsstacharsptotdenied%,%x6nwexitmsstacharsp-totdiscard%,%x6nwexitmsstacharspbadform%, %x6nwexitmsstacharsp-decodeerr%, %x6nwexitmsstacharspunspecerr%, %x6nwexitmsstacharsp-missmandtlv%, %x6nwexitmsstacharsptlvvalinval%,%x6nwexitmsstacharsp-unknowntlv%,%x6nwexitmsstacharspduptlvfound%,%x6nwexitmsstacharsp-nosessfound%,%x6nwexitmsstacharspadminprohib%,%x6nwexitmsstacharsp-noresourcedrop%,%x6nwexitmsstacharsptransiderr%, %x6contextreq-totsent%, %x6contextreq-retranssent%, %x6contextreqtotsendfail%,%x6contextreq-totrec%,%x6contextreq-totacc%,%x6contextreqtotrelay%, %x6contextreq-totdenied%, %x6contextreq-totdiscard%, %x6contextreqbadform%,%x6contextreq-decodeerr%,%x6contextreq-unspecerr%,%x6contextreqmissmandtlv%, %x6contextreq-tlvvalinval%, %x6contextreq-unknowntlv%, %x6contextreqduptlvfound%,%x6contextreq-nosessfound%,%x6contextreqadminprohib%, %x6contextreq-noresourcedrop%, %x6contextreqtransiderr%,%x6contextrepo-totsent%,%x6contextrepo-retranssent%,%x6contextrepototsendfail%,%x6contextrepo-totrec%,%x6contextrepo-totacc%,%x6contextrepototrelay%,%x6contextrepo-totdenied%,%x6contextrepo-totdiscard%,%x6contextrepobadform%, %x6contextrepo-decodeerr%, %x6contextrepo-unspecerr%, %x6contextrepomissmandtlv%,%x6contextrepo-tlvvalinval%,%x6contextrepounknowntlv%, %x6contextrepo-duptlvfound%

phsgw schema phsgwA format

EMS, PHSGWA, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6contextreponosessfound%, %x6contextrepo-adminprohib%, %x6contextreponoresourcedrop%, %x6contextrepo-transiderr%, %x2autheaptra-totsent%, %x2autheaptraretranssent%, %x2autheaptra-totsendfail%, %x2autheaptra-totdenied%, %x2autheaptratotacc%, %x2autheaptra-totrelay%, %x2autheaptra-decodeerr%, %x2autheaptratotdiscard%, %x2autheaptra-missmandtlv%, %x2autheaptra-decodeerr%, %x2autheaptraunspecerr%, %x2autheaptra-missmandtlv%, %x2autheaptra-tlvvalinval%, %x2autheaptraunknowntlv%, %x2autheaptra-duptlvfound%, %x2autheaptra-nosessfound%, %x2autheaptradminprohib%, %x2autheaptra-noresourcedrop%, %x2autheaptratotrelay%, %x2autheapsta-totrec%, %x2autheapsta-totacc%, %x2autheapstatotrelay%, %x2autheapsta-totdenied%, %x2autheapsta-totdiscard%, %x2autheapstabadform%, %x2autheapsta-decodeerr%, %x2autheapsta-unspecerr%, %x2autheapstamissmandtlv%, %x2autheapsta-tlvvalinval%, %x2autheapstaunknowntlv%, %x2autheapsta-totdenied%, %x2autheapstatotrelay%, %x2autheapsta-totdenied%, %x2autheapsta-totdiscard%, %x2autheapstabadform%, %x2autheapsta-totvalinval%, %x2autheapsta-unspecerr%, %x2autheapstamissmandtlv%, %x2autheapsta-tlvvalinval%, %x2autheapsta-unknowntlv%, %x2autheapstaduptlvfound%, %x2autheapsta-nosessfound%, %x2autheapstaadminprohib%, %x2autheapsta-noresourcedrop%, %x2autheapstatransiderr%, %x2datapathpreregreq-totsent%, %x2datapathpreregreqretranssent%, %x2datapathpreregreq-totsendfail%, %x2datapathpreregreqtotrec%, %x2datapathpreregreq-totdenied%, %x2datapathpreregreqtotdiscard%, %x2datapathpreregreq-totdenied%, %x2datapathpreregreqdecodeerr%, %x2datapathpreregreq-badform%, %x2datapathpreregreqmissmandtlv%, %x2datapathpreregreq-unspecerr%, %x2datapathpreregrequnknowntlv%, %x2datapathpreregreq-duptlvfound%, %x2datapathpreregreqnosessfound%, %x2datapathpreregreq-adminprohib%, %x2datapathpreregreqnoresourcedrop%, %x2datapathpreregreq-transiderr%, %x2datapathpreregreptotsent%, %x2datapathpreregrep-retranssent%, %x2datapathpreregrep-totsendfail%

phsgw schema phsgwB format

EMS, PHSGWB, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x2datapathprereg rsp-totrec%, %x2datapathpreregrsp-totacc%, %x2datapathpreregrsptotrelay%,%x2datapathpreregrsp-totdenied%,%x2datapathpreregrsptotdiscard%, %x2datapathpreregrsp-badform%, %x2datapathpreregrspdecodeerr%, %x2datapathpreregrsp-unspecerr%, %x2datapathpreregrspmissmandtlv%,%x2datapathpreregrsp-tlvvalinval%,%x2datapathpreregrspunknowntlv%,%x2datapathpreregrsp-duptlvfound%,%x2datapathpreregrspnosessfound%,%x2datapathpreregrsp-adminprohib%,%x2datapathpreregrspnoresourcedrop%, %x2datapathpreregrsp-transiderr%, %x2datapathpreregacktotsent%, %x2datapathpreregack-retranssent%, %x2datapathpreregacktotsendfail%,%x2datapathpreregack-totrec%,%x2datapathpreregacktotacc%, %x2datapathpreregack-totrelay%, %x2datapathpreregacktotdenied%,%x2datapathpreregack-totdiscard%,%x2datapathpreregackbadform%, %x2datapathpreregack-decodeerr%, %x2datapathpreregackunspecerr%, %x2datapathpreregack-missmandtlv%, %x2datapathpreregacktlvvalinval%, %x2datapathpreregack-unknowntlv%, %x2datapathpreregackduptlvfound%, %x2datapathpreregack-nosessfound%, %x2datapathpreregackadminprohib%, %x2datapathpreregack-noresourcedrop%, %x2datapathpreregacktransiderr%,%x2datapathregreq-totsent%,%x2datapathregreqretranssent%,%x2datapathregreq-totsendfail%,%x2datapathregreqtotrec%, %x2datapathregreq-totacc%, %x2datapathregreq-totrelay%, %x2datapathregreqtotdenied%,%x2datapathregreq-totdiscard%,%x2datapathregreqbadform%, %x2datapathregreq-decodeerr%, %x2datapathregrequnspecerr%, %x2datapathregreq-missmandtlv%, %x2datapathregreqtlvvalinval%, %x2datapathregreq-unknowntlv%, %x2datapathregreqduptlvfound%,%x2datapathregreq-nosessfound%,%x2datapathregreqadminprohib%, %x2datapathregreq-noresourcedrop%, %x2datapathregreq-transiderr%

phsgw schema phsgwC format

EMS, PHSGWC, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x2datapathregrsptotsent%, %x2datapathregrsp-retranssent%, %x2datapathregrsptotsendfail%, %x2datapathregrsp-totrec%, %x2datapathregrsptotacc%, %x2datapathregrsp-totrelay%, %x2datapathregrsptotdenied%, %x2datapathregrsp-totdiscard%, %x2datapathregrspbadform%, %x2datapathregrsp-decodeerr%, %x2datapathregrspunspecerr%, %x2datapathregrsp-missmandtlv%, %x2datapathregrsptlvvalinval%, %x2datapathregrsp-unknowntlv%, %x2datapathregrspduptlvfound%, %x2datapathregrsp-nosessfound%, %x2datapathregrspadminprohib%, %x2datapathregrsp-noresourcedrop%, %x2datapathregrsptransiderr%, %x2datapathregack-totsent%, %x2datapathregackretranssent%,%x2datapathregack-totsendfail%,%x2datapathregacktotrec%,%x2datapathregack-totacc%,%x2datapathregack-totrelay%,%x2datapathregacktotdenied%,%x2datapathregack-totdiscard%,%x2datapathregackbadform%, %x2datapathregack-decodeerr%, %x2datapathregackunspecerr%, %x2datapathregack-missmandtlv%, %x2datapathregacktlvvalinval%,%x2datapathregack-unknowntlv%,%x2datapathregackduptlvfound%,%x2datapathregack-nosessfound%,%x2datapathregackadminprohib%, %x2datapathregack-noresourcedrop%, %x2datapathregacktransiderr%, %x2datapathderegreq-totsent%, %x2datapathderegreqretranssent%, %x2datapathderegreq-totsendfail%, %x2datapathderegreqtotrec%,%x2datapathderegreq-totacc%,%x2datapathderegreqtotrelay%,%x2datapathderegreq-totdenied%,%x2datapathderegreqtotdiscard%,%x2datapathderegreq-badform%,%x2datapathderegreqdecodeerr%, %x2datapathderegreq-unspecerr%, %x2datapathderegreqmissmandtlv%,%x2datapathderegreq-tlvvalinval%,%x2datapathderegrequnknowntlv%, %x2datapathderegreg-duptlvfound%, %x2datapathderegregnosessfound%,%x2datapathderegreq-adminprohib%,%x2datapathderegreqnoresourcedrop%, %x2datapathderegreq-transiderr%

phsgw schema phsgwD format

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phsgw schema phsgwE format

EMS, PHSGWE, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x2keychacnfmissmandtlv%, %x2keychacnf-tlvvalinval%, %x2keychacnf-unknowntlv%, %x2keychacnf-

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phsgw schema phsgwF format

EMS, PHSGWF, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6smentstachaack -unknowntlv%,%x6smentstachaack-duptlvfound%,%x6smentstachaacknosessfound%,%x6smentstachaack-adminprohib%,%x6smentstachaacknoresourcedrop%, %x6smentstachaack-transiderr%, %x6anchorpcindtotsent%,%x6anchorpcind-retranssent%,%x6anchorpcind-totsendfail%,%x6anchorpcindtotrec%,%x6anchorpcind-totacc%,%x6anchorpcind-totrelay%,%x6anchorpcindtotdenied%, %x6anchorpcind-totdiscard%, %x6anchorpcind-badform%, %x6anchorpcinddecodeerr%,%x6anchorpcind-unspecerr%,%x6anchorpcind-missmandtlv%,%x6anchorpcindtlvvalinval%, %x6anchorpcind-unknowntlv%, %x6anchorpcindduptlvfound%,%x6anchorpcind-nosessfound%,%x6anchorpcindadminprohib%,%x6anchorpcind-noresourcedrop%,%x6anchorpcindtransiderr%, %x6anchorpcack-totsent%, %x6anchorpcack-retranssent%, %x6anchorpcacktotsendfail%,%x6anchorpcack-totrec%,%x6anchorpcack-totacc%,%x6anchorpcacktotrelay%,%x6anchorpcack-totdenied%,%x6anchorpcack-totdiscard%,%x6anchorpcackbadform%, %x6anchorpcack-decodeerr%, %x6anchorpcack-unspecerr%, %x6anchorpcackmissmandtlv%,%x6anchorpcack-tlvvalinval%,%x6anchorpcackunknowntlv%,%x6anchorpcack-duptlvfound%,%x6anchorpcacknosessfound%,%x6anchorpcack-adminprohib%,%x6anchorpcacknoresourcedrop%, %x6anchorpcack-transiderr%, %x6smexitstachareqtotsent%,%x6smexitstachareq-retranssent%,%x6smexitstachareqtotsendfail%, %x6smexitstachareq-totrec%, %x6smexitstachareqtotacc%, %x6smexitstachareq-totrelay%, %x6smexitstachareqtotdenied%,%x6smexitstachareq-totdiscard%,%x6smexitstachareqbadform%,%x6smexitstachareq-decodeerr%,%x6smexitstacharequnspecerr%,%x6smexitstachareq-missmandtlv%,%x6smexitstachareqtlvvalinval%,%x6smexitstachareq-unknowntlv%,%x6smexitstachareqduptlvfound%,%x6smexitstachareq-nosessfound%,%x6smexitstachareq-adminprohib%

phsgw schema phsgwG format

EMS, PHSGWG, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6smexitstachare q-noresourcedrop%, %x6smexitstachareq-transiderr%, %x6smexitstacharsptotsent%,%x6smexitstacharsp-retranssent%,%x6smexitstacharsptotsendfail%,%x6smexitstacharsp-totrec%,%x6smexitstacharsptotacc%, %x6smexitstacharsp-totrelay%, %x6smexitstacharsptotdenied%,%x6smexitstacharsp-totdiscard%,%x6smexitstacharspbadform%,%x6smexitstacharsp-decodeerr%,%x6smexitstacharspunspecerr%, %x6smexitstacharsp-missmandtlv%, %x6smexitstacharsptlvvalinval%,%x6smexitstacharsp-unknowntlv%,%x6smexitstacharspduptlvfound%,%x6smexitstacharsp-nosessfound%,%x6smexitstacharspadminprohib%, %x6smexitstacharsp-noresourcedrop%, %x6smexitstacharsptransiderr%, %x6inipagreq-totsent%, %x6inipagreq-retranssent%, %x6inipagreqtotsendfail%,%x6inipagreq-totrec%,%x6inipagreq-totacc%,%x6inipagreqtotrelay%, %x6inipagreq-totdenied%, %x6inipagreq-totdiscard%, %x6inipagreqbadform%, %x6inipagreq-decodeerr%, %x6inipagreq-unspecerr%, %x6inipagreqmissmandtlv%,%x6inipagreq-tlvvalinval%,%x6inipagreq-unknowntlv%,%x6inipagreqduptlvfound%,%x6inipagreq-nosessfound%,%x6inipagreq-adminprohib%,%x6inipagreqnoresourcedrop%, %x6inipagreq-transiderr%, %x6inipagrsp-totsent%, %x6inipagrspretranssent%, %x6inipagrsp-totsendfail%, %x6inipagrsp-totrec%, %x6inipagrsptotacc%, %x6inipagrsp-totrelay%, %x6inipagrsp-totdenied%, %x6inipagrsptotdiscard%, %x6inipagrsp-badform%, %x6inipagrsp-decodeerr%, %x6inipagrspunspecerr%, %x6inipagrsp-missmandtlv%, %x6inipagrsp-tlvvalinval%, %x6inipagrspunknowntlv%,%x6inipagrsp-duptlvfound%,%x6inipagrsp-nosessfound%,%x6inipagrspadminprohib%, %x6inipagrsp-noresourcedrop%, %x6inipagrsptransiderr%, %x6delmsentreq-totsent%, %x6delmsentreq-retranssent%, %x6delmsentreqtotsendfail%, %x6delmsentreq-totrec%, %x6delmsentreq-totacc%

phsgw schema phsgwH format

EMS, PHSGWH, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x6delmsentreqtotrelay%,%x6delmsentreq-totdenied%,%x6delmsentreq-totdiscard%,%x6delmsentreqbadform%, %x6delmsentreq-decodeerr%, %x6delmsentreq-unspecerr%, %x6delmsentreqmissmandtlv%,%x6delmsentreq-tlvvalinval%,%x6delmsentrequnknowntlv%,%x6delmsentreq-duptlvfound%,%x6delmsentreqnosessfound%, %x6delmsentreq-adminprohib%, %x6delmsentreqnoresourcedrop%,%x6delmsentreq-transiderr%,%x6delmsentrsptotsent%,%x6delmsentrsp-retranssent%,%x6delmsentrsp-totsendfail%,%x6delmsentrsptotrec%, %x6delmsentrsp-totacc%, %x6delmsentrsp-totrelay%, %x6delmsentrsptotdenied%, %x6delmsentrsp-totdiscard%, %x6delmsentrsp-badform%, %x6delmsentrspdecodeerr%,%x6delmsentrsp-unspecerr%,%x6delmsentrsp-missmandtlv%,%x6delmsentrsptlvvalinval%, %x6delmsentrsp-unknowntlv%, %x6delmsentrspduptlvfound%,%x6delmsentrsp-nosessfound%,%x6delmsentrspadminprohib%, %x6delmsentrsp-noresourcedrop%, %x6delmsentrsp-transiderr%, %x2horeqtotsent%,%x2horeq-retranssent%,%x2horeq-totsendfail%,%x2horeq-totrec%,%x2horeqtotacc%,%x2horeq-totrelay%,%x2horeq-totdenied%,%x2horeq-totdiscard%,%x2horeqbadform%, %x2horeq-decodeerr%, %x2horeq-unspecerr%, %x2horeq-missmandtlv%, %x2horeqtlvvalinval%,%x2horeq-unknowntlv%,%x2horeq-duptlvfound%,%x2horeqnosessfound%,%x2horeq-adminprohib%,%x2horeq-noresourcedrop%,%x2horeqtransiderr%,%x2horsp-totsent%,%x2horsp-retranssent%,%x2horsptotsendfail%,%x2horsp-totrec%,%x2horsp-totacc%,%x2horsp-totrelay%,%x2horsptotdenied%,%x2horsp-totdiscard%,%x2horsp-badform%,%x2horsp-decodeerr%,%x2horspunspecerr%,%x2horsp-missmandtlv%,%x2horsp-tlvvalinval%,%x2horspunknowntlv%,%x2horsp-duptlvfound%,%x2horsp-nosessfound%,%x2horspadminprohib%,%x2horsp-noresourcedrop%,%x2horsp-transiderr%,%x2hoacktotsent%,%x2hoack-retranssent%

phsgw schema phsgwI format

EMS, PHSGWI, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x2hoacktotsendfail%,%x2hoack-totrec%,%x2hoack-totacc%,%x2hoack-totrelay%,%x2hoacktotdenied%,%x2hoack-totdiscard%,%x2hoack-badform%,%x2hoack-decodeerr%,%x2hoackunspecerr%, %x2hoack-missmandtlv%, %x2hoack-tlvvalinval%, %x2hoackunknowntlv%,%x2hoack-duptlvfound%,%x2hoack-nosessfound%,%x2hoackadminprohib%,%x2hoack-noresourcedrop%,%x2hoack-transiderr%,%x2unknowntotrec%, %x2unknown-totacc%, %x2unknown-totrelay%, %x2unknowntotdenied%, %x2unknown-totdiscard%, %x2unknown-badform%, %x2unknowndecodeerr%, %x2unknown-unspecerr%, %x2unknown-missmandtlv%, %x2unknowntlvvalinval%, %x2unknown-unknowntlv%, %x2unknown-duptlvfound%, %x2unknownnosessfound%,%x2unknown-adminprohib%,%x2unknown-noresourcedrop%,%x2unknowntransiderr%, %x2datagrerec-totpackrec%, %x2datagrerecprottyperrror%,%x2datagrerec-totbytrec%,%x2datagrerec-grekeyabs%,%x2datagrerecgrechkerr%, %x2datagrerec-invpacklen%, %x2datagrerec-nosessfou%, %x2datagrerecunspecerr%, %x2datagresend-totpacksent%, %x2datagresend-senderr%, %x2datagresendtotbytsent%,%x2datagresend-unspeerr%,%x2datagreeapolrectotpackrec%,%x2datagreeapolrec-prottyperrror%,%x2datagreeapolrectotbytrec%, %x2datagreeapolrec-start%, %x2datagreeapolrecpacket%, %x2datagreeapolrec-invpacklen%, %x2datagreeapolrecnosessfou%, %x2datagreeapolrec-unspecerr%, %x2datagreeapolsendtotpacksent%,%x2datagreeapolsend-senderr%,%x2datagreeapolsendtotbytsent%, %x2datagreeapolsend-unspeerr%, %x1mspreattreqcongestion%, %x1datapathregreq-congestion%, %x1datapathpreregreqcongestion%, %total-sessions-connected%, %ms-initiatedreauth%,%x1datapathderegack-totsent%,%x1datapathderegackretranssent%, %x1datapathderegack-totsendfail%, %x1datapathderegack-totrec%

phsgw schema phsgwJ format

EMS, PHSGWJ, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %x1datapathderega ck-totacc%, %x1datapathderegack-totrelay%, %x1datapathderegackbadform%, %x1datapathderegack-decodeerr%, %x1datapathderegackunspecerr%, %x1datapathderegack-missmandtlv%, %x1datapathderegacktlvvalinval%, %x1datapathderegack-unknowntlv%, %x1datapathderegackduptlvfound%, %x1datapathderegack-nosessfound%, %x1datapathderegackadminprohib%, %x1datapathderegack-noresourcedrop%, %x1datapathderegacktransiderr%, %x2datapathderegack-totsent%, %x2datapathderegackretranssent%, %x2datapathderegack-totsendfail%, %x2datapathderegacktotrec%, %x2datapathderegack-totacc%, %x2datapathderegacktotrelay%, %x2datapathderegack-totdenied%, %x2datapathderegacktotdiscard%, %x2datapathderegack-totdenied%, %x2datapathderegackmissmandtlv%, %x2datapathderegack-unspecerr%, %x2datapathderegackmissmandtlv%, %x2datapathderegack-tlvvalinval%, %x2datapathderegack-
unknowntlv%, %x2datapathderegack-duptlvfound%, %x2datapathderegacknosessfound%, %x2datapathderegack-adminprohib%, %x2datapathderegacknoresourcedrop%, %x2datapathderegack-transiderr%

egtpc schema egtpcSch1 format

EMS, EGTPC1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sess-cur%, %tunsent-cresess%, %tun-sent-retranscresess%, %tun-recv-cresess%, %tun-recvretranscresess%, %tun-sent-cresessresp%, %tun-sent-cresessrespaccept%, %tun-sentcresessrespdenied%,%tun-sent-retranscresessresp%,%tun-recv-cresessresp%,%tunrecv-cresessrespaccept%, %tun-recv-cresesssrespdenied%, %tun-sent-crebear%, %tunsent-retranscrebear%, %tun-recv-crebear%, %tun-recv-retranscrebear%, %tun-sentcrebearresp%,%tun-sent-crebearrespaccept%,%tun-sent-crebearrespdenied%,%tunsent-retranscrebearresp%,%tun-recv-crebearresp%,%tun-recvcrebearrespaccept%,%tun-recv-crebearrespdenied%,%tun-sent-bearrescmd%,%tun-recvbearrescmd%,%tun-sent-bearrescmd-fail%,%tun-recv-bearrescmd-fail%,%tun-sentmodbearreq%, %tun-sent-retransmodbearreq%, %tun-recv-modbearreq%, %tun-recvretransmodbearreq%, %tun-sent-modbearresp%, %tun-sent-modbearrespaccept%, %tunsent-modbearrespdenied%,%tun-sent-retransmodbearresp%,%tun-recvmodbearresp%, %tun-recv-modbearrespaccept%, %tun-recv-modbearrespdenied%, %tunsent-delsessreq%, %tun-sent-retransdelsessreq%, %tun-recv-delsessreq%, %tun-recvretransdelsessreq%, %tun-sent-delsessresp%, %tun-sent-delsessrespaccept%, %tunsent-delsessrespdenied%, %tun-recv-delsessresp%, %tun-recvdelsessrespaccept%, %tun-recv-delsessrespdenied%, %tun-sent-delbearreq%, %tun-sentretransdelbearreq%, %tun-recv-delbearreq%, %tun-recv-retransdelbearreq%, %tun-sentdelbearresp%, %tun-sent-delbearrespaccept%, %tun-sent-delbearrespdenied%, %tunrecv-delbearresp%, %tun-recv-delbearrespaccept%, %tun-recvdelbearrespdenied%, %tun-sent-dlinknotif%, %tun-sent-retransdlinknotif%, %tun-recvdlinknotif%,%tun-recv-retransdlinknotif%,%tun-recv-dlinknotifack%,%tun-recvdlinknotifackaccept%

egtpc schema egtpcSch2 format

EMS, EGTPC2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %tun-recvdlinknotifackdenied%,%tun-sent-dlinkdatafail%,%tun-recv-dlinkdatafail%,%tunsent-relaccbearreq%, %tun-sent-retransrelaccbearreq%, %tun-recvrelaccbearreq%,%tun-recv-retransrelaccbearreq%,%tun-sent-relaccbearresp%,%tunsent-relaccbearrespaccept%,%tun-sent-relaccbearrespdenied%,%tun-sentretransrelaccbearresp%, %tun-recv-relaccbearresp%, %tun-recvrelaccbearrespaccept%, %tun-recv-relaccbearrespdenied%, %tun-recvupduplanereq%, %tun-recv-retransupduplanereq%, %tun-sent-upduplaneresp%, %tun-sentupduplanerespaccept%, %tun-sent-upduplanerespdenied%, %tun-sent-modbearcmd%, %tunrecv-modbearcmd%, %tun-sent-modbearfail%, %tun-recv-modbearfail%, %tun-sentupdbearreq%, %tun-sent-retransupdbearreq%, %tun-recv-updbearreq%, %tun-recvretransupdbearreq%, %tun-sent-updbearresp%, %tun-sent-updbearrespaccept%, %tunsent-updbearrespdenied%, %tun-recv-updbearresp%, %tun-recvupdbearrespaccept%,%tun-recv-updbearrespdenied%,%tun-sent-deactbear%,%tun-recvdeactbear%,%tun-sent-deactbearfail%,%tun-recv-deactbearfail%,%path-sentechoreq%, %path-sent-retransechoreq%, %path-recv-echoreq%, %path-sentechoresp%,%path-recv-echoresp%,%path-sent-versnotsupp%,%path-recvversnotsupp%,%gtpv1tun-sent-gpdu%,%gtpv1tun-recv-gpdu%,%gtpv1tuntxoctet%,%gtpv1tun-rxoctet%,%gtpv1tun-sent-gtpuerror%,%gtpv1tun-recvgtpuerror%,%gtpv1tun-sent-endmarker%,%gtpv1path-sent-echoreq%,%gtpv1path-recvTroubleshooting inPilot

echoreq%,%gtpv1path-sent-echoresp%,%gtpv1path-recv-echoresp%,%gtpv1path-senthdrnotif%,%gtpv1path-recv-hdrnotif%

egtpc schema egtpcSch3 format

EMS, EGTPC3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %tun-sentretransbearrescmd%, %tun-recv-retransbearrescmd%, %tun-sent-retransbearrescmdfail%, %tun-recv-retransbearrescmd-fail%, %tun-sent-retransmodbearcmd%, %tun-recvretransmodbearcmd%, %tun-sent-retransmodbearfail%, %tun-recvretransmodbearfail%, %tun-sent-delbearcmd%, %tun-sent-retransdelbearcmd%, %tunrecv-delbearcmd%, %tun-recv-retransdelbearcmd%, %tun-sentretransdelbearfail%, %tun-recv-delbearfail%, %tun-recvretransdelbearfail%, %tun-recv-delbearfail%, %tun-recv-

imsa schema imsaSch1 format

EMS, IMSA, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sess-cur%, %dpcacursess%,%dpca-imsaadd%,%dpca-start%,%dpca-seccreate%,%dpca-secterm%,%dpcasessupd%,%dpca-term%,%dpca-sessfail%,%dpca-msg-recv%,%dpca-msg-sent%,%dpca-msgccr%,%dpca-msg-cca%,%dpca-msg-ccrinit%,%dpca-msg-ccainit%,%dpca-msgccainitacc%,%dpca-msg-ccainitrej%,%dpca-msg-ccainittmo%,%dpca-msg-ccrupd%,%dpcamsg-ccaupd%,%dpca-msg-ccaupdtmo%,%dpca-msg-ccrfin%,%dpca-msg-ccafin%,%dpca-msgccafintmo%,%dpca-msg-asr%,%dpca-msg-asa%,%dpca-msg-rar%,%dpca-msg-raa%,%dpcamsgerr-proto%,%dpca-msgerr-badans%,%dpca-msgerr-unksessreq%,%dpca-msgerrunkcomm%,%dpca-msgerr-unsupcomm%,%dpca-msgerr-unkfailhand%,%dpca-termdiamlogout%,%dpca-term-servnotprov%,%dpca-term-badans%,%dpca-term-admin%,%dpcaterm-linkbroken%,%dpca-term-authexp%,%dpca-term-usermoved%,%dpca-termsesstmo%,%dpca-term-authrej%,%dpca-term-other%,%dpca-expres-errinitparam%,%dpcaexpres-errtrigevt%,%dpca-expres-bearnotauth%,%dpca-expres-trafmaprej%,%dpcaexpres-pccruleevt%,%dpca-expres-conflictingreq%,%dpca-expres-bearerevt%,%dpcaexpres-badrescode%,%dpca-peer-switch%,%dpca-peer-switch-done%,%dpca-ccaitimeout%,%dpca-ccri-send-error%,%dpca-ccai-unh-unk-rcode%,%dpca-ccai-errrcode%,%dpca-ccau-timeout%,%dpca-ccru-send-error%,%dpca-ccau-unh-unkrcode%,%dpca-ccau-err-rcode%,%dpca-ccat-timeout%,%dpca-ccrt-send-error%,%dpcaccat-unh-unk-rcode%,%dpca-ccat-err-rcode%,%dpca-ccfh-continue%,%dpca-ccfh-retryand-term%, %dpca-ccfh-terminate%, %dpca-unknown-reason%, %dpca-ue-subscriptionchngd%,%dpca-insuffcnt-srvr-resrce%

lma schema lmaSch1 format

EMS, LMA1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sesscur%, %mipaaaauth-attempts%, %mipaaaauth-success%, %mipaaaauthtotalfailures%,%mipaaaauth-actualauthfailures%,%mipaaaauthmiscauthfailures%,%bindupd%,%bindupd-accept%,%bindupd-denied%,%bindupddiscard%,%bindupd-initial%,%bindupd-initialaccept%,%bindupdinitialdenied%,%bindupd-refresh%,%bindupd-refreshaccept%,%bindupdrefreshdenied%,%bindupd-dereg%,%bindupd-deregaccept%,%bindupdderegdenied%,%bindupd-handoff%,%bindupd-handoffaccept%,%bindupdhandoffdenied%,%bindupd-ack%,%bindupd-ackacceptreg%,%bindupdackacceptdereg%,%bindupd-ackdenied%,%bindupd-acksenderror%,%bindupddenynoresource%,%bindupd-denymisid%,%bindupd-denymnauthfailure%,%bindupddenyadmin%, %bindupd-denymsgidreq%, %bindupd-denydadfailed%, %bindupddenynothomesub%, %bindupd-denyseqoow%, %bindupd-denytypchqdis%, %bindupddenyunspec%,%bindupd-denyservauthfailed%,%bindupd-denyproxyreg%,%bindupddenytimestamp%,%bindupd-denytimestamplower%,%bindupd-denymismnid%,%bindupddenymishnp%,%bindupd-denymisaccesstech%,%bindupd-denymishandoffind%,%bindupddenynotauthhnp%,%bindupd-denynotlmamobile%,%bindupd-

denynotauthproxyreg%,%bindupd-denybceprefix%,%bindupddenynoresourcesessmgr%,%bindupd-denynoresourcememory%,%bindupddenynoresourcereject%,%bindupd-denynoresourceinputq%,%bindupddenynoresourcesimulbind%,%bindupd-denynoresourceaddallocfail%,%bindupddenyadminprohmnaaaauth%,%bindupd-denyadminprohhbit%,%bindupddenyadminprohmnaaaspi%,%bindupd-denyadminprohmnhaspi%,%bindupddenyadminprohmnaaspi%,%bindupd-denyadminprohmnhaspi%,%bindupddenyadminprohmnaaspi%,%bindupd-denyadminprohmnhaspi%,%bindupddenyadminperm%,%bindupd-denyadminpadreg%,%bindupd-discardcong%,%bindupddiscardchecksum%,%bindupd-discardauthpending%,%bindupd-discardsessnotfound%

lma schema lmaSch2 format

EMS, LMA2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %bindupddiscardhamgrnotready%,%bindupd-discarddecodefail%,%bindupddiscardinvbuflen%, %bindrev-sent%, %bindrev-retriessent%, %bindrevackrcvd%,%bindrev-notacked%,%bindrev-rcvd%,%bindrev-acksent%,%bindrev%,%bindrevdiscardsessnotfound%, %bindrev-discardbadreq%, %bindrevdiscarddecodeerror%, %bindrev-discardchecksumerror%, %bindrevdiscardinvalidmsgtype%,%bindrev-discardhamgrnotready%,%bindrevdiscardmatchreqnotfound%,%bindrev-discardinvalidbuflen%,%rxpackets%,%rxpackets-6in6%,%rxpackets-4in6%,%rxpackets-ipv6greipv4%,%rxpacketsipv6greipv6%,%rxoctets%,%rxoctets-6in6%,%rxoctets-4in6%,%rxoctetsipv6greipv4%,%rxoctets-ipv6greipv6%,%dataerror%,%dataerror-proto%,%dataerrorinvpktlen%,%dataerror-nosess%,%txpackets%,%txpackets-6in6%,%txpackets-4in6%, %txpackets-ipv6greipv4%, %txpackets-ipv6greipv6%, %txoctets%, %txoctets-6in6%, %txoctets-4in6%, %txoctets-ipv6greipv4%, %txoctets-ipv6greipv6%, %icmpv6pkttoobigrecv%,%icmpv6-pkttoobigdrop%,%icmpv6pkttoobigrelay%,%disc%,%disclifetime%,%discdereg%,%discadmin%,%discother%

mag schema magSch1 format

EMS, MAG, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sesscur%, %bindupd%, %bindupd-init%, %bindupd-initretrans%, %bindupd-renew%, %bindupdrenewretrans%,%bindupd-dereg%,%bindupd-deregretrans%,%bindack%,%bindackerror%,%bindack-accept%,%bindack-denied%,%bindack-init%,%bindackrenew%, %bindack-dereg%, %deniedlma-noresource%, %deniedlma-mismatchid%, %deniedlmamnauthfail%,%deniedlma-adminproh%,%deniedlma-msgidrqd%,%deniedlmadadfailed%,%deniedlma-homesubnet%,%deniedlma-seqoow%,%deniedlmatypchgdis%,%deniedlma-unspec%,%deniedlma-servauthfailed%,%deniedlmaproxyreg%,%deniedlma-timestamp%,%deniedlma-timestamplower%,%deniedlmamismnid%,%deniedlma-mishnp%,%deniedlma-misaccesstech%,%deniedlmamishandoffind%,%deniedlma-notauthhnp%,%deniedlma-notlmamobile%,%deniedlmanotauthproxyreg%, % deniedlma-bceprefix%, % bindack-errormishnp%, % bindackerrornai%,%bindack-errorhomeaddconf%,%bindack-errormatchreq%,%bindackerrorbadlyformed%,%bindack-errorchecksum%,%bindack-errorsessnotfound%,%bindrevsent%,%bindrev-retriessent%,%bindrev-ackrcvd%,%bindrev-notacked%,%bindrevrcvd%,%bindrev-acksent%,%bindrev-discardtotal%,%bindrevdiscardsessnotfound%,%bindrev-discardbadreq%,%bindrev-discarddecode%,%bindrevdiscardchecksum%, %bindrev-discardmsgtype%, %bindrevdiscardnomemory%,%rxpackets%,%rxpackets-6in6%,%rxpackets-4in6%,%rxpacketsipv6greipv4%,%rxpackets-ipv6greipv6%,%rxoctets%,%rxoctets-6in6%,%rxoctets-4in6%,%rxoctets-ipv6greipv4%,%rxoctets-ipv6greipv6%,%dataerror%,%dataerrorproto%,%dataerror-invpktlen%,%dataerror-nosess%,%txpackets%,%txpackets-6in6%, %txpackets-4in6%, %txpackets-ipv6greipv4%, %txpacketsipv6greipv6%,%txoctets%,%txoctets-6in6%,%txoctets-4in6%,%txoctetsipv6greipv4%,%txoctetsipv6greipv6%,%disc%,%disclifetime%,%discaccessinit%,%discadmin%,%discother%,%dis clmarevoc%

sgw schema sgwSch1 format EMS, SGW1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sesscur%,%sessstat-totcur-ueidle%,%sessstat-totcur-ueactive%,%sessstat-totcurpdn%,%sessstat-totcur-bearers%,%sessstat-totsetup-ue%,%sessstat-totsetuppdn%,%sessstat-totsetup-bearers%,%sessstat-pdnsetuptype-ipv4%,%sessstatpdnsetuptype-ipv6%,%sessstat-pdnsetuptype-ipv4v6%,%sessstat-pdnsetupintrfaces11%,%sessstat-pdnsetupintrface-s4%,%sessstat-pdnsetups5proto-gtp%,%sessstatpdnsetups5proto-pmip%,%sessstat-pdnrel-ipv4%,%sessstat-pdnrel-ipv6%,%sessstatpdnrel-ipv4v6%,%sessstat-pdnrelrsn-mme%,%sessstat-pdnrelrsn-pgw%,%sessstatpdnrelrsn-pcrf%,%sessstat-pdnrelrsn-local%,%sessstat-pdnrelrsn-s1err%,%sessstatpdnrelrsn-s5err%, %sessstat-pdnrelrsn-pathfail-S11%, %sessstat-pdnrelrsn-pathfail-S5%, %sessstat-pdnrelrsn-pathfail-S5-u%, %sessstat-pdnrelrsn-pathfail-S1u%, %sessstat-pdnrelrsn-other%, %sessstat-pdnrej-ipv4%, %sessstat-pdnrejipv6%,%sessstat-pdnrej-ipv4v6%,%sessstat-pdnrejrsn-pgw%,%sessstat-pdnrejrsnlicense%, %sessstat-pdnrejrsn-newcall-policy%, %sessstat-pdnrejrsnoverload%,%sessstat-pdnrejrsn-cong%,%sessstat-pdnrejrsn-other%,%totepsbearsetupqci1%, %totepsbearsetup-qci2%, %totepsbearsetup-qci3%, %totepsbearsetupqci4%, %totepsbearsetup-qci5%, %totepsbearsetup-qci6%, %totepsbearsetupqci7%, %totepsbearsetup-qci8%, %totepsbearsetup-qci9%, %totepsbearsetupother%,%totepsbearmod%,%totepsbearrel-qci1%,%totepsbearrel-qci2%,%totepsbearrelqci3%,%totepsbearrel-qci4%,%totepsbearrel-qci5%,%totepsbearrelqci6%,%totepsbearrel-qci7%,%totepsbearrel-qci8%,%totepsbearrelqci9%, %totepsbearrel-other%, %totepsbearmod-qci1%, %totepsbearmodqci2%, %totepsbearmod-qci3%, %totepsbearmod-qci4%, %totepsbearmodqci5%, %totepsbearmod-qci6%, %totepsbearmod-qci7%, %totepsbearmod-qci8%

sgw schema sgwSch2 format

EMS, SGW2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %totepsbearmodqci9%,%totepsbearmod-other%,%totepsbearrel-dedrsn-pgw%,%totepsbearrel-dedrsnpcrf%,%totepsbearrel-dedrsn-s1err%,%totepsbearrel-dedrsn-s5err%,%totepsbearreldedrsn-local%,%totepsbearrel-dedrsn-pdn%,%totepsbearrel-dedrsn-pathfail-s1u%,%totepsbearrel-dedrsn-pathfail-s5-u%,%totepsbearrel-dedrsn-other%,%datastatuplink-qci1totbyte%,%datastat-uplink-qci1totpkt%,%datastat-uplinkqci2totbyte%,%datastat-uplink-qci2totpkt%,%datastat-uplinkqci3totbyte%,%datastat-uplink-qci3totpkt%,%datastat-uplinkqci4totbyte%,%datastat-uplink-qci4totpkt%,%datastat-uplinkqci5totbyte%,%datastat-uplink-qci5totpkt%,%datastat-uplinkqci6totbyte%,%datastat-uplink-qci6totpkt%,%datastat-uplinkqci7totbyte%,%datastat-uplink-qci7totpkt%,%datastat-uplinkqci8totbyte%,%datastat-uplink-qci8totpkt%,%datastat-uplinkqci9totbyte%,%datastat-uplink-qci9totpkt%,%datastat-uplinkothertotbyte%,%datastat-uplink-othertotpkt%,%datastat-uplink-dropstatgciltotbyte%,%datastat-uplink-dropstat-gciltotpkt%,%datastat-uplink-dropstatqci2totbyte%,%datastat-uplink-dropstat-qci2totpkt%,%datastat-uplink-dropstatqci3totbyte%,%datastat-uplink-dropstat-qci3totpkt%,%datastat-uplink-dropstatqci4totbyte%,%datastat-uplink-dropstat-qci4totpkt%,%datastat-uplink-dropstatqci5totbyte%,%datastat-uplink-dropstat-qci5totpkt%,%datastat-uplink-dropstatqci6totbyte%,%datastat-uplink-dropstat-qci6totpkt%,%datastat-uplink-dropstatqci7totbyte%,%datastat-uplink-dropstat-qci7totpkt%,%datastat-uplink-dropstatqci8totbyte%,%datastat-uplink-dropstat-qci8totpkt%,%datastat-uplink-dropstatqci9totbyte%,%datastat-uplink-dropstat-qci9totpkt%,%datastat-uplink-dropstatothertotbyte%,%datastat-uplink-dropstat-othertotpkt%

sgw schema sgwSch3 format

EMS, SGW3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %datastat-downlinkqci1totbyte%,%datastat-downlink-qci1totpkt%,%datastat-downlinkqci2totbyte%,%datastat-downlink-qci2totpkt%,%datastat-downlinkqci3totbyte%,%datastat-downlink-qci3totpkt%,%datastat-downlinkqci4totbyte%,%datastat-downlink-qci4totpkt%,%datastat-downlinkqci5totbyte%,%datastat-downlink-qci5totpkt%,%datastat-downlinkqci6totbyte%,%datastat-downlink-qci6totpkt%,%datastat-downlinkqci7totbyte%,%datastat-downlink-qci7totpkt%,%datastat-downlinkgci8totbyte%,%datastat-downlink-gci8totpkt%,%datastat-downlinkqci9totbyte%,%datastat-downlink-qci9totpkt%,%datastat-downlinkothertotbyte%,%datastat-downlink-othertotpkt%,%datastat-downlink-dropstatqciltotbyte%,%datastat-downlink-dropstat-qciltotpkt%,%datastat-downlinkdropstat-qci2totbyte%,%datastat-downlink-dropstat-qci2totpkt%,%datastatdownlink-dropstat-qci3totbyte%,%datastat-downlink-dropstatqci3totpkt%,%datastat-downlink-dropstat-qci4totbyte%,%datastat-downlinkdropstat-qci4totpkt%,%datastat-downlink-dropstat-qci5totbyte%,%datastatdownlink-dropstat-qci5totpkt%,%datastat-downlink-dropstatqci6totbyte%,%datastat-downlink-dropstat-qci6totpkt%,%datastat-downlinkdropstat-qci7totbyte%,%datastat-downlink-dropstat-qci7totpkt%,%datastatdownlink-dropstat-qci8totbyte%,%datastat-downlink-dropstatqci8totpkt%,%datastat-downlink-dropstat-qci9totbyte%,%datastat-downlinkdropstat-qci9totpkt%,%datastat-downlink-dropstat-othertotbyte%,%datastatdownlink-dropstat-othertotpkt%,%intersgwhaovstat-pdnin-x2%,%intersgwhaovstatpdnin-idletau%,%intersgwhaovstat-pdnin-s1%,%intersgwhaovstatpdnout%,%intersgwhaovstat-intra-intramme%,%intersgwhaovstat-intra-intermme%

sgw schema sgwSch4 format

EMS, SGW4, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %pagingstatreq%, %pagingstat-rej%, %pagingstat-fail%, %pagingstat-actidleuetrans%, %pagingstatidleactuetrans%, %pagingreldatastat-totbytebuff%, %pagingreldatastat-disc%, %miscupdatabeformbreq%, %misc-cbreqrcvbeforcsrsp%

pgw schema pgwSch1 format

EMS, PGW1, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sesscur%, %sessstat-bearact-def%, %sessstat-bearact-ded%, %sessstat-bearact-ue-initded%, %sessstat-bearact-nw-init-ded%, %sessstat-bearsetup-def%, %sessstatbearsetup-ded%, %sessstat-bearsetup-ue-init-ded%, %sessstat-bearsetup-nw-initded%, %sessstat-bearrel-def%, %sessstat-bearrelnwdefadmin%, %sessstat-bearrel-nwdefgtp%, %sessstat-bearrelnwdefadmin%, %sessstat-bearrel-nwdefgtp%, %sessstat-bearrelnwdefgtp%, %sessstat-bearrel-nwdedadmin%, %sessstat-bearrelnwdedgtp%, %sessstat-bearrel-nwdedmme%, %sessstat-bearrelnwdedgtp%, %sessstat-bearrel-nwdedmme%, %sessstat-bearrelnwdedgtp%, %sessstat-bearrelfail-def%, %sessstat-bearrelfailded%, %sessstat-bearrej-def%, %sessstat-bearrej-ded%, %sessstat-bearrejnores%, %sessstat-bearrej-uereq%, %sessstat-bearrej-uereq-nores%, %sessstatbearrej-misapn%, %sessstat-bearrej-nwreq%, %sessstat-bearrej-nwreqnores%, %sessstat-bearrej-nwreq-nomem%, %sessstat-bearrej-nwreq-

sysfail%,%sessstat-bearrej-apnmode%,%sessstat-bearrej-pdn%,%sessstat-bearrejapnrestr%,%sessstat-bearrej-subsauth%,%sessstat-bearrejsubsaddrnotallow%,%sessstat-bearrej-subsaddrnotalloc%,%sessstat-bearrejdynaddrnotalloc%,%sessstat-bearrej-subsaddrnotpres%,%sessstat-bearmodueinit%,%sessstat-bearmod-nwinit%,%sessstat-bearmod-ueqos%,%sessstat-bearmoduetft%,%sessstat-bearmod-nwqos%,%sessstat-bearmod-nwtft%,%sessstat-bearmodfailueinit%

pgw schema pgwSch2 format EMS, PGW2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sessstatbearmodfail-nwinit%, % sessstat-bearmodfail-uenores%, % sessstat-bearmodfailuesemtft%,%essstat-bearmodfail-uesyntft%,%sessstat-bearmodfailuesempkt%,%sessstat-bearmodfail-uesynpkt%,%sessstat-bearmodfailnwnores%,%sessstat-bearmodfail-nwnomem%,%sessstat-bearmodfailnwsysfail%,%sessstat-bearmodfail-nwsemtft%,%sessstat-bearmodfailnwsyntft%,%sessstat-bearmodfail-nwsempkt%,%sessstat-bearmodfailnwsynpkt%,%sessstat-pdn-ipv4active%,%sessstat-pdn-ipv4setup%,%sessstat-pdnipv4rel%,%sessstat-pdn-ipv6active%,%sessstat-pdn-ipv6setup%,%sessstat-pdnipv6rel%,%sessstat-pdn-ipv4v6active%,%sessstat-pdn-ipv4v6setup%,%sessstat-pdnipv4v6rel%,%sessstat-ipv4addaloc%,%sessstat-ipaddaloc-ipv4loacalpool%,%sessstatipaddaloc-ipv4staticaddr%,%sessstat-ipaddaloc-ipv4radaddr%,%sessstatipv6addaloc%,%sessstat-ipaddaloc-ipv6auto%,%subplmnstathomesubact%, %subplmnstat-homesubsetup%, %subplmnstat-homesubrel%, %subplmnstatroamsubact%,%subplmnstat-roamsubsetup%,%subplmnstat-roamsubrel%,%subplmnstatvisitsubact%,%subplmnstat-visitsubsetup%,%subplmnstat-visitsubrel%,%sgitunstatipv4sessact%,%sgitunstat-ipv4sesssetup%,%sgitunstat-ipv4sessrel%,%sgitunstatipv4gresessact%,%sgitunstat-ipv4gresesssetup%,%sgitunstatipv4gresessrel%,%sgitunstat-ipv6sessact%,%sgitunstat-ipv6sesssetup%,%sgitunstatipv6sessrel%

pgw schema pgwSch3 format

EMS, PGW3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %subqosstatbearact-qci1%,%subqosstat-bearact-qci2%,%subqosstat-bearact-qci3%,%subqosstatbearact-qci4%,%subqosstat-bearact-qci5%,%subqosstat-bearact-qci6%,%subqosstatbearact-qci7%,%subqosstat-bearact-qci8%,%subqosstat-bearact-qci9%,%subqosstatbearact-qcinongbr%, %subqosstat-bearact-qcigbr%, %subqosstat-bearsetupqci1%,%subqosstat-bearsetup-qci2%,%subqosstat-bearsetup-qci3%,%subqosstatbearsetup-qci4%,%subqosstat-bearsetup-qci5%,%subqosstat-bearsetupgci6%, %subgosstat-bearsetup-gci7%, %subgosstat-bearsetup-gci8%, %subgosstatbearsetup-qci9%,%subqosstat-bearsetup-qcinongbr%,%subqosstat-bearsetupgcigbr%,%subqosstat-bearrel-gci1%,%subqosstat-bearrel-gci2%,%subqosstat-bearrelqci3%, %subqosstat-bearrel-qci4%, %subqosstat-bearrel-qci5%, %subqosstat-bearrelqci6%, %subqosstat-bearrel-qci7%, %subqosstat-bearrel-qci8%, %subqosstat-bearrelqci9%,%subqosstat-bearrel-qcinongbr%,%subqosstat-bearrel-qcigbr%,%subdatastattotuppktfwd%,%subdatastat-uppktfwd-qci1%,%subdatastat-uppktfwdqci2%,%subdatastat-uppktfwd-qci3%,%subdatastat-uppktfwd-qci4%,%subdatastatuppktfwd-qci5%,%subdatastat-uppktfwd-qci6%,%subdatastat-uppktfwdgci7%, %subdatastat-uppktfwd-gci8%, %subdatastat-uppktfwd-gci9%, %subdatastatuppktfwd-stdqcinongbr%,%subdatastat-uppktfwd-stdqcigbr%,%subdatastat-uppktfwdqcinongbr%

pgw schema pgwSch4 format EMS,PGW4,%date%,%time%,%vpnname%,%vpnid%,%servname%,%servid%,%subdatastat-

uppktfwd-qcigbr%,%subdatastat-uppktfwd-totgbr%,%subdatastat-uppktfwdtotnongbr%,%subdatastat-totupbytefwd%,%subdatastat-upbytefwd-qci1%,%subdatastatupbytefwd-qci2%,%subdatastat-upbytefwd-qci3%,%subdatastat-upbytefwdqci4%,%subdatastat-upbytefwd-qci5%,%subdatastat-upbytefwd-qci6%,%subdatastatupbytefwd-qci7%,%subdatastat-upbytefwd-qci8%,%subdatastat-upbytefwdqci9%,%subdatastat-upbytefwd-stdqcinongbr%,%subdatastat-upbytefwdstdqcigbr%,%subdatastat-upbytefwd-qcinongbr%,%subdatastat-upbytefwdqcigbr%,%subdatastat-upbytefwd-totgbr%,%subdatastat-upbytefwdtotnongbr%,%subdatastat-totdownpktfwd%,%subdatastat-downpktfwdgci1%, %subdatastat-downpktfwd-gci2%, %subdatastat-downpktfwd-gci3%, %subdatastatdownpktfwd-gci4%,%subdatastat-downpktfwd-gci5%,%subdatastat-downpktfwdqci6%,%subdatastat-downpktfwd-qci7%,%subdatastat-downpktfwd-qci8%,%subdatastatdownpktfwd-qci9%,%subdatastat-downpktfwd-stdqcinongbr%,%subdatastat-downpktfwdstdqcigbr%,%subdatastat-downpktfwd-qcinongbr%,%subdatastat-downpktfwdqcigbr%,%subdatastat-downpktfwd-totgbr%,%subdatastat-downpktfwdtotnongbr%,%subdatastat-totdownbytefwd%,%subdatastat-downbytefwdqci1%,%subdatastat-downbytefwd-qci2%,%subdatastat-downbytefwdqci3%,%subdatastat-downbytefwd-qci4%,%subdatastat-downbytefwd-qci5%

pgw schema pgwSch5 format

EMS, PGW5, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %subdatastatdownbytefwd-qci6%,%subdatastat-downbytefwd-qci7%,%subdatastat-downbytefwdqci8%,%subdatastat-downbytefwd-qci9%,%subdatastat-downbytefwdstdqcinongbr%,%subdatastat-downbytefwd-stdqcigbr%,%subdatastat-downbytefwdqcinongbr%,%subdatastat-downbytefwd-qcigbr%,%subdatastat-downbytefwdtotgbr%,%subdatastat-downbytefwd-totnongbr%,%subdatastattotuppktdrop%,%subdatastat-uppktdrop-qci1%,%subdatastat-uppktdropqci2%,%subdatastat-uppktdrop-qci3%,%subdatastat-uppktdrop-qci4%,%subdatastatuppktdrop-qci5%,%subdatastat-uppktdrop-qci6%,%subdatastat-uppktdropqci7%, %subdatastat-uppktdrop-qci8%, %subdatastat-uppktdrop-qci9%, %subdatastatuppktdrop-stdqcinongbr%,%subdatastat-uppktdrop-stdqcigbr%,%subdatastatuppktdrop-qcinongbr%, %subdatastat-uppktdrop-qcigbr%, %subdatastat-uppktdroptotgbr%,%subdatastat-uppktdrop-totnongbr%,%subdatastattotupbytedrop%,%subdatastat-upbytedrop-qci1%,%subdatastat-upbytedropqci2%, %subdatastat-upbytedrop-qci3%, %subdatastat-upbytedrop-qci4%, %subdatastatupbytedrop-qci5%,%subdatastat-upbytedrop-qci6%,%subdatastat-upbytedropqci7%, %subdatastat-upbytedrop-qci8%, %subdatastat-upbytedrop-qci9%, %subdatastatupbytedrop-stdqcinongbr%,%subdatastat-upbytedrop- stdqcigbr%,%subdatastatupbytedrop-qcinongbr%, %subdatastat-upbytedrop-qcigbr%

pgw schema pgwSch6 format

EMS, PGW6, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %subdatastatupbytedrop-totgbr%, %subdatastat-upbytedrop-totnongbr%, %subdatastattotdownpktdrop%, %subdatastat-downpktdrop-qci1%, %subdatastat-downpktdropqci2%, %subdatastat-downpktdrop-qci3%, %subdatastat-downpktdropqci4%, %subdatastat-downpktdrop-qci5%, %subdatastat-downpktdropqci6%, %subdatastat-downpktdrop-qci7%, %subdatastat-downpktdropqci8%, %subdatastat-downpktdrop-qci9%, %subdatastat-downpktdropstdqcinongbr%, %subdatastat-downpktdrop-stdqcigbr%, %subdatastat-downpktdroptotgbr%, %subdatastat-downpktdrop-qci9%, %subdatastat-downpktdroptotgbr%, %subdatastat-downpktdrop-qci9%, %subdatastat-downpktdroptotgbr%, %subdatastat-downpktdrop-qci9%, %subdatastat-downpktdroptotgbr%, %subdatastat-downpktdrop-qci9%, %subdatastat-downpktdroptotgbr%, %subdatastat-downpktdrop-qci9%, %subdatastattotdownbytedrop%, %subdatastat-downpktdrop-qci1%, %subdatastat-downpktdrop-

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pgw schema pgwSch7 format

EMS, PGW7, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %subdatastatuppktdropmbrexc-qci4%,%subdatastat-uppktdropmbrexc-qci5%,%subdatastatuppktdropmbrexc-qci6%,%subdatastat-uppktdropmbrexc-qci7%,%subdatastatuppktdropmbrexc-qci8%, %subdatastat-uppktdropmbrexc-qci9%, %subdatastatuppktdropmbrexc-stdqcinongbr%, %subdatastat-uppktdropmbrexcstdqcigbr%, %subdatastat-uppktdropmbrexc-qcinongbr%, %subdatastat-uppktdropmbrexcqcigbr%,%subdatastat-uppktdropmbrexc-totgbr%,%subdatastat-uppktdropmbrexctotnongbr%, %subdatastat-totupbytedropmbrexc%, %subdatastat-upbytedropmbrexcqci1%,%subdatastat-upbytedropmbrexc-qci2%,%subdatastat-upbytedropmbrexcqci3%, %subdatastat-upbytedropmbrexc-qci4%, %subdatastat-upbytedropmbrexcqci5%, %subdatastat-upbytedropmbrexc-qci6%, %subdatastat-upbytedropmbrexcqci7%, %subdatastat-upbytedropmbrexc-qci8%, %subdatastat-upbytedropmbrexcqci9%, %subdatastat-upbytedropmbrexc-stdqcinongbr%, %subdatastat-upbytedropmbrexcstdqcigbr%,%subdatastat-upbytedropmbrexc-qcinongbr%,%subdatastatupbytedropmbrexc-qcigbr%, %subdatastat-upbytedropmbrexc-totgbr%, %subdatastatupbytedropmbrexc-totnongbr%, %subdatastat-totdownpktdropmbrexc%, %subdatastatdownpktdropmbrexc-qci1%, %subdatastat-downpktdropmbrexc-qci2%, %subdatastatdownpktdropmbrexc-qci3%, %subdatastat-downpktdropmbrexc-qci4%, %subdatastatdownpktdropmbrexc-qci5%

pgw schema pgwSch8 format

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mme schema mmeSch1 format

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mme schema mmeSch2 format

EMS, MME2, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %emmdiscuedetach%, %emmdisc-pgwdetach%, %emmdisc-hssdetach%, %emmdisc-mmedetach%, %emmdiscimplicitdetach%, %emmdisc-localabort%, %emmdisc-authfail%, %emmdiscsubsparamfail%,%emmdisc-otherreasons%,%esmevent-pdncon-attempt%,%esmeventpdncon-success%, %esmevent-pdncon-failure%, %esmevent-pdndisconattempt%,%esmevent-pdndiscon-success%,%esmevent-pdndiscon-failure%,%esmeventdefbearact-attempt%,%esmevent-defbearact-success%,%esmevent-defbearactfailure%,%esmevent-dedbearact-attempt%,%esmevent-dedbearact-success%,%esmeventdedbearact-failure%,%esmevent-beardeact-attempt%,%esmevent-beardeactsuccess%,%esmevent-beardeact-failure%,%esmctrlmsg-sent-cleartext%,%esmctrlmsgsent-integrity%,%esmctrlmsg-sent-cipher%,%esmctrlmsg-sent-retrans%,%esmctrlmsgsent-failure%,%esmctrlmsg-recv-cleartext%,%esmctrlmsg-recvintegrity%,%esmctrlmsg-recv-cipher%,%esmctrlmsg-recv-accept%,%esmctrlmsg-recvdiscard%,%esmctrlmsg-recv-denied%,%esmctrlmsg-recv-deocdefail%,%esmcall-attachcurcall%,%esmcall-attach-maxcall%,%esmcall-connect-curcall%,%esmcall-connectmaxcall%, %esmcall-idle-curcall%, %esmcall-idle-maxcall%, %esmdiscuedetach%,%esmdisc-pgwdetach%,%esmdisc-hssdetach%,%esmdisc-mmedetach%,%esmdiscimplicitdetach%,%esmdisc-localabort%,%esmdisc-authfail%,%esmdiscsubsparamfail%,%esmdisc-otherreasons%,%sctp-transdata-init%

mme schema mmeSch3 format

EMS, MME3, %date%, %time%, %vpnname%, %vpnid%, %servname%, %servid%, %sctp-transdatainitack%, %sctp-transdata-shut%, %sctp-transdata-shutack%, %sctp-transdatacookie%, %sctp-transdata-cookieack%, %sctp-transdata-data%, %sctp-transdatadataack%, %sctp-transdata-shutcomp%, %sctp-transdata-hb%, %sctp-transdatahback%, %sctp-transdata-abort%, %sctp-transdata-error%, %sctp-recdata-init%, %sctprecdata-initack%, %sctp-recdata-shut%, %sctp-recdata-shutack%, %sctp-recdatacookie%, %sctp-recdata-cookieack%, %sctp-recdata-data%, %sctp-recdatadataack%, %sctp-recdata-shutcomp%, %sctp-recdata-data%, %sctp-recdatadataack%, %sctp-recdata-shutcomp%, %sctp-recdata-hb%, %sctp-recdataback%, %sctp-recdata-shutcomp%, %sctp-retransdata-init%, %sctp-retransdatashut%, %sctp-retransdata-shutack%, %sctp-retransdatacookieack%, %sctp-retransdata-shutack%, %sctp-retransdatacookieack%, %sctp-retransdata-shutack%, %sctp-retransdatacookieack%, %sctp-totsent-bytes%, %sctp-totrec-bytes%, %sctp-totsent-pkts%, %sctptotrec-pkts%, %slap-transdata-setupres%, %slap-transdata-setupresfail%, %slaptransdata-reset%, %slap-transdata-resetack%, %slap-transdata-olstart%, %slaptransdata-olstop%, %slap-transdata-mmedirinftra%, %slap-transdata-paging%, %slaptransdata-erabsetupreq%, %slap-transdata-erabmodreq%, %slap-transdataerabrelcmd%, %slap-transdata-ctxtsetupreq%, %slap-transdata-uectxtrel%, %slaptransdata-uectxtmod%, %slap-transdata-nastrans%, %slap-transdata-errorind%, %slaptransdata-ho%, %slap-transdata-hoprepfail%, %slap-transdata-horeq%, %slaptransdata-hocanack%

mme schema mmeSch4 format

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pdg schema pdgSch1 format

EMS, PDG1, %date%, %time%, %vpnname%, %vpnid%, %svcname%, %svcid%, %bindaddress%, %state% ,%sess-ttlcursess%,%sess-curact%,%sess-curdorm%,%sess-curactipv4%,%sesscurdormipv4%,%sess-curactipv6%,%sess-curdormipv6%,%sess-curdiripipv4%,%sesscurttgipv4%,%sess-ttldiripipv4%,%sess-ttlttgipv4%,%sess-diripipv4succ%,%sessdiripipv4attempt%,%sess-diripipv4attemptfail%,%sess-ttgipv4succ%,%sessttgipv4attempt%,%sess-ttgipv4attemptfail%,%sess-ttlsetup%,%sessttlattempt%,%sess-ttlattemptfail%,%sess-ttldisc%,%sess-ttldisclocal%,%sessttldiscremote%,%sess-discbeforeconn%,%sess-ttlfastreauthsucc%,%sessttlfastreauthattempt%,%sess-ttlfastreauthattemptfail%,%sess-discipsec%,%sessdiscadmin%,%sess-discidletimeout%,%sess-discabstimeout%,%sessdisclongdur%, %sess-discsessetuptimeout%, %sess-discnonexistpcrf%, %sessdiscnoresource%, %sess-discauthfail%, %sess-discflowaddfail%, %sessdiscinvdestctx%, %sess-discsourceviol%, %sess-discgtp%, %sess-discdupreq%, %sessdiscaddrfail%,%sess-discmisc%,%sess-ttlbytessent%,%sess-ttlbytesrcvd%,%sessttlpktsent%,%sess-ttlpktrcvd%,%eap-rxttlsrvrpassthru%,%eaprxsuccsrvrpassthru%,%eap-rxfailsrvrpassthru%,%eap-rxchalsrvrpassthru%,%eaptxttlsrv%,%eap-txinitrequest%,%eap-txreqfwd%,%eap-rxmobilepassthru%,%mttxdatabyteuplink%,%mt-databyteuplinkdropped%,%mt-uldroppeddnonconnectedstate%, %mt-uldroppedd-transstackbuffoverflow%, %mt-uldroppeddincorrectdestip%,%mt-uldroppedd-transtackfailed%,%mt-uldroppeddsessnotfoundforsockid%, %mt-txdatabytedownlink%, %mt-rxttlopenreq%, %mtrxopenreqprocessed%, %mt-rxopenreqdropped%, %mt-txttlopenresp%, %mttxopenrespaccept%,%mt-txopenresprej%,%mt-rxopenresp%,%mt-rxttlnamreq%,%mtrxnamreqprocessed%, %mt-rxnamreqdropped%, %mt-txttlnamresp%, %mttxnamrespaccept%,%mt-txnamresprej%,%mt-rxnamresp%,%mt-rxttlauthreq%,%mtrxauthreqprocessed%, %mt-rxauthreqdropped%, %mt-txttlauthresp%

pdg schema pdgSch2 format

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pdg schema pdgSch3 format

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Troubleshooting inPilot

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